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FISHERY STATISTICS OF THE UNITED STATES 1961

BY

E. A. POWER

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Fishery statistics of the United States are compiled and published annually to make available information on both the economic and biological aspects of the domestic commercial fisheries.

Data on the economic aspects are necessary to persons engaged in the commercial fishery and to governmental agencies concerned with its regulation and protection. Those here given cover the total catch and value by species, the yield and value of manufactured products, the employment of men, craft, and gear in the capture of fishery products; and related information.

From the biological standpoint these data are important to sound fishery management in providing detailed information on fluctuations in the commercial catch by species, locality, and gear, and type of craft operated. They assist conservation agencies in regulating the commercial fisheries so as to produce maximum yields without depletion.

Previous statistical reports on the fishery industries were issued under the Department of the Interior in the Administrative Report series for 1938 and in the Statistical Digest series for succeeding years. Reports for preceding years were issued in the Administrative Report series of the former Bureau of Fisheries.

The following is a listing of the various editions of "Fishery Statistics of the United States" issued since 1939:

Statistical Digest Number	Title
No. 1	Fishery Statistics of the United States, 1939
4	Fishery Statistics of the United States, 1940
7	Fishery Statistics of the United States, 1941
11	Fishery Statistics of the United States, 1942
14	Fishery Statistics of the United States, 1943
16	Fishery Statistics of the United States, 1944
18	Fishery Statistics of the United States, 1945
19	Fishery Statistics of the United States, 1946
21	Fishery Statistics of the United States, 1947
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FISHERY STATISTICS OF THE UNITED STATES - 1961

By E.A. POWER, Chief, Branch of Statistics

Division of Resource Development

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The data in this edition of "Fishery Statistics of the United States" were collected, tabulated, and prepared for publication by the staff of the Branch of Statistics under the direction of E. A. Power and Charles H. Lyles, assisted by Stacey C. Denham and Francis Riley. Field surveys were supervised by the various regional and area offices. Project leaders in charge of field surveys were: Dwight L. Hoy, New England, Middle Atlantic, and Chesapeake States; George W. Snow, South Atlantic and Gulf States; Victor J. Samson, California; Charles M. Reardon, Washington and Oregon; William K. Evans, Alaska; Howard J. Buettner, the Great Lakes and Mississippi River States; and Thomas S. Hida, Hawaii.

The cooperation of the many contributors is gratefully acknowledged. Cooperators are given credit for their information in the section of the report in which the data appear.

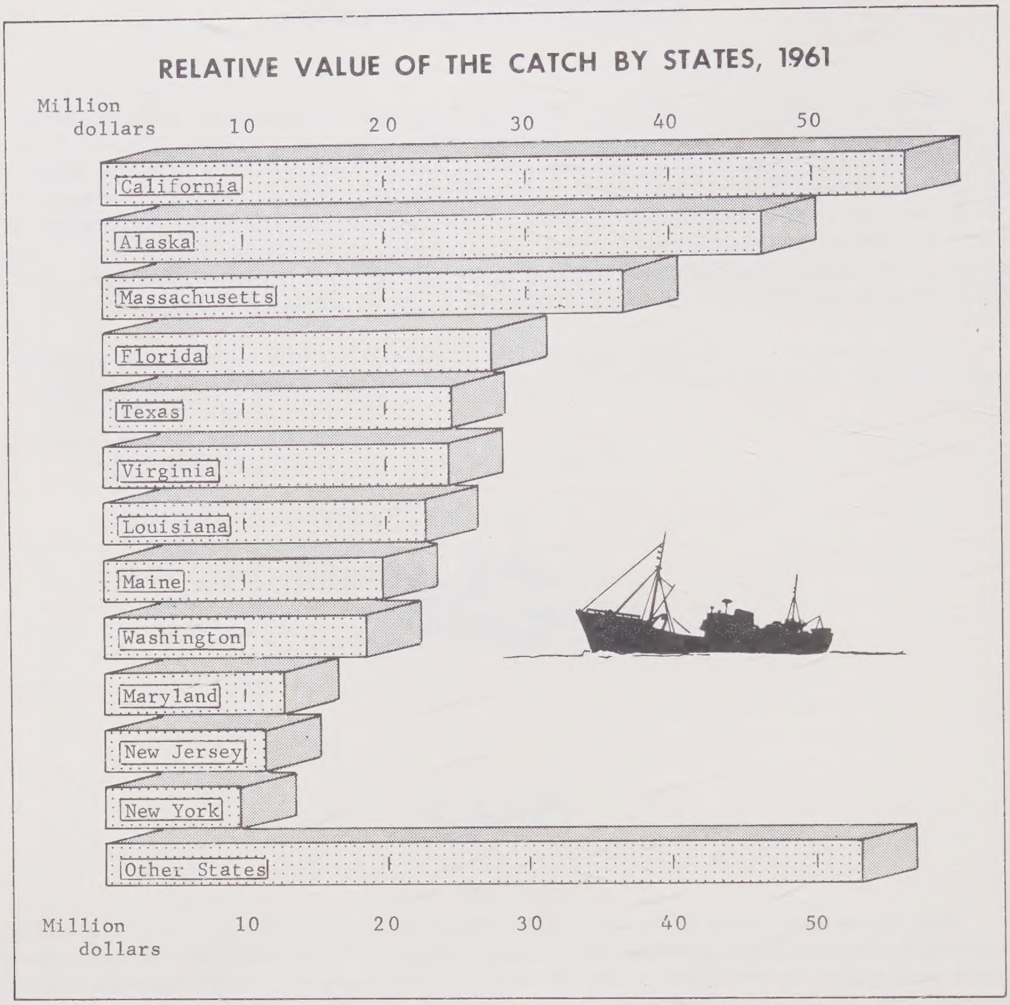
PREFACE

This report contains a review of the fishery statistics for the year 1961 collected by the Branch of Statistics, Division of Resource Development. These statistics include data on the volume and value of the catch of fishery products, employment in the fisheries, quantity of gear operated, number of fishing craft employed in the capture of fishery products, information on the volume and value of the production of manufactured fishery products, data on cold storage freezings and holdings, and on foreign trade in fishery commodities.

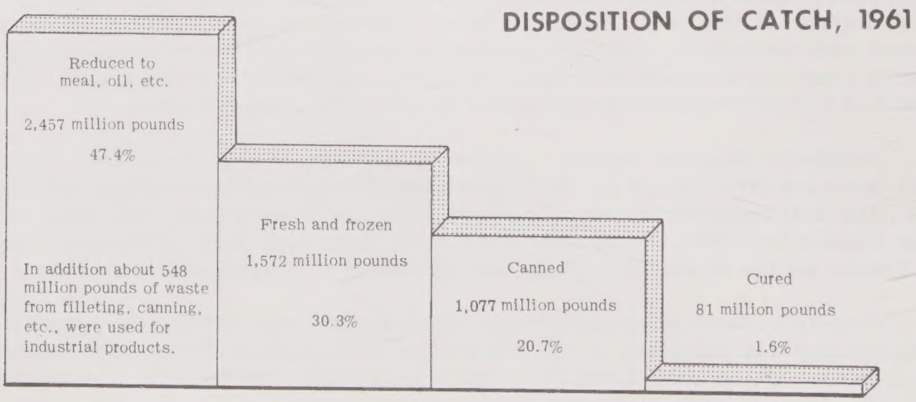
In assembling the data on the fisheries, all appropriate records collected by the various State fishery agencies were used. In certain areas, information complete enough to be used by the statistical agents was available from State agencies, and in these States, only partial surveys were conducted. Information on the means of collecting the data and an explanation of terms used may be found in Section 13 of this publication. Statistics on the imports and exports of fishery products were furnished by the Bureau of the Census.

Complete statistical surveys covering the fisheries of the United States were conducted in all areas for 1961, except for the Mississippi River States, where only a partial survey was made. The first complete survey of the fisheries of the United States was made by the Bureau of the Census for 1908. Others were made by the Bureau of Fisheries and the Fish and Wildlife Service for the years 1931, 1950, and for the years 1954 to 1960, inclusive.

To assist persons interested in reviewing historical statistics of the domestic fisheries, a bibliography was published in the 1956 edition of "Fishery Statistics of the United States," listing the sources of data on the fisheries of the various regions of the United States for the years from 1880 to 1956.



RELATIVE VALUE OF THE CATCH BY STATES, 1961



DISPOSITION OF CATCH, 1961

In addition about 548 million pounds of waste from filleting, canning, etc., were used for industrial products.

SECTION 1 - GENERAL REVIEW

The 1961 commercial fisheries of the United States yielded a catch of 5.2 billion pounds valued at $362 million to the fishermen. The annual harvest was greater only in 1956, when a record 5.3 billion pounds were taken. Landings in 1961 were 244 million pounds larger than in 1960. The total amount paid fishermen in 1961 ($362 million) was nearly $9 million more than in the previous year, but $11 million less than the record $373 million paid in 1958. The average price per pound was 6.98¢, the lowest since World War II, except for 1959. The large catch of low-priced menhaden was responsible for the low price per pound. Record catches of menhaden, king crabs, clams, catfish and bullheads, and sea scallops; and substantial gains in landings of Pacific salmon, tuna, mackerel (jack and Pacific), and haddock accounted for the 1961 gain in volume. There were, however, sharp declines in the landings of shrimp, Atlantic and Pacific sea herring, and Pacific sardines.

The 1961 catch was taken by 129,693 fishermen. Of these 41,055 were employed on vessels. A total of 11,964 vessels of 5 tons and over, 60,118 motor boats, and 5,405 other craft engaged in commercial fishing during the year. The 4,138 fish wholesaling and manufacturing plants in the United States employed 92,115 persons. Fishermen engaged in processing their catches into manufactured products numbered 820.

The record 2.3 billion pounds of menhaden taken in 1961 were the largest annual landings of a single item in the history of the United States fisheries. Menhaden has ranked first in volume continuously since 1946. The 1961 receipts were 296 million pounds above those of the previous year and exceeded the 1959 record by 112 million pounds. Menhaden accounted for 45 percent of the domestic catch in 1961. Production from waters north of Cape Cod was poor in 1961, but catches increased in all other areas. In the Gulf of Mexico, fishing was most encouraging, and for the first time landings exceeded 1 billion pounds.

In the spring of 1961, concern was expressed over the decline in the price of fish meal. An international meeting was held in Rome, to assess the world demand for fish meal and to explore possibilities of insuring stable international markets for this product. By the end of 1961, meal was in light supply, although United States production and imports were the largest in history. Prices had shown a marked recovery, and dealers were actively seeking new sources of meal.

The 1961 Pacific salmon catch was 310 million pounds valued at a near-record $52 million. Although the volume taken was 75 million pounds larger than in 1960, it was still far less than the record 791 million pounds landed in 1936. The 1961 pack of canned salmon (3.7 million cases valued at $117 million) exceeded the 1960 pack by 30 percent in volume and 33 percent in value.

The catch of salmon was favorable in nearly all sections of the Pacific Coast, although most of the increase occurred in Alaska. Alaska landings (265 million pounds) were the largest since 1956, and their value ($36 million) was a record. The catch of red salmon in Western Alaska was the best since 1948, and the pink salmon catch in the northern waters of Southeastern Alaska was the largest since 1951. In Central Alaska, salmon fishing along the Alaska Peninsula and Kodiak Island was about the same as in the previous year; however, Prince William Sound had an excellent, but unexpected, run of pink salmon. In Washington, due principally to larger runs of silver and pink salmon, the catch exceeded the previous year by 81 percent. Oregon and California landings were also considerably above the 1960 level.

The Pacific tuna industry, stimulated by the success of converted seiners and the rapidly increasing consumption of canned tuna, displayed spectacular economic progress in 1961. Domestic landings by the Pacific tuna fleet increased from 288 million pounds in 1960 to 311 million pounds in 1961. Catches of yellowfin, skipjack, and bluefin were larger, although the volume of albacore landed was somewhat less than in the previous year. About 88 percent of the catch of tuna was taken on the high seas in waters off Central and South America.

GENERAL REVIEW

The California tuna fleet (changed by conversion from a predominantly clipper fleet, fishing with hook and line, to a purse seine fleet fishing with hugh nets) took large quantities of yellowfin in 1961. There were indications, however, that this species was being overfished, and considerable effort was devoted to taking skipjack. In 1961, the Inter-American Tropical Tuna Commission recommended that a catch limit be placed on yellowfin tuna in order to maintain stocks at a level that would permit the maximum sustainable yield.

The catch of tuna by purse seines was a record 234.3 million pounds--60.2 million pounds more than in 1960. Lines of all types accounted for only 89.1 million pounds--33.5 million pounds less than in 1960, and 246.5 million pounds under the record 335.6 million pounds taken by this gear in 1950.

Producers of canned tuna turned out the largest pack (15.8 million cases) in history, valued at a new high of $189 million. Compared with 1960, this was an increase of 462,000 cases and $16 million. Of the total United States pack, 56 percent was canned from the domestic catch--5 percent more than in 1960. The pack in the Pacific Coast States, (11.8 million standard cases valued at $141.1 million) represented 75 percent of the volume and 75 percent of the value of the total domestic pack of these fish.

The United States catch of shrimp amounted to 175 million pounds, with an ex-vessel value of nearly $52 million. Compared with 1960, the volume landed was down 75 million pounds or 30 percent; the value, $15 million or 23 percent. The catch was 94 million pounds less than the record 268 million pounds landed in 1954.

The catch of shrimp in the South Atlantic States was the poorest, for any year in which data have been collected, since 1918. The situation was also discouraging in the Gulf of Mexico, where landings decreased drastically in all States. On the Pacific Coast, catches were larger in Alaska, but the combined catch in the other West Coast States was almost identical with the previous year.

Production of packaged, raw, and headless shrimp in 1961 was 32.4 million pounds below that of 1960; however, peeled and deveined and breaded shrimp was up 7 percent. The increase in the latter category resulted from record imports of 126 million pounds, which partially compensated for the poor production from waters off the South Atlantic States and in the Gulf of Mexico.

The 1961 catch of sea herring (only 113 million pounds) was less than half the 239 million pounds taken in 1960. On the Atlantic Coast, Maine landings of herring (used principally for canning sardines) were only 54 million pounds--a decrease of 98 million pounds from the previous year. Imports of herring into Maine from Canada also declined. There was no clear-cut explanation for the shortage of fish in inshore waters, as there were indications of a supply offshore, throughout the season. In an effort to help the industry, a temporary measure was passed by the Maine State Legislature ending all seasons and placing the fishery on a year-round basis until January 1963. However, the pack of 754,000 cases was the smallest in 23 years. Imports of canned sardines in oil were up 31 percent and the nonoil pack was up 138 percent. Although imports alleviated the shortage resulting from the poor domestic season, they also caused concern over the possible loss of markets to foreign packers.

Pacific Coast landings of sea herring, taken mostly in Alaska for manufacture into meal and oil, were only 54 million pounds. The catch was the lowest since 1954, and one of the half-dozen smallest since the early 1920's, when there was a large expansion in the Alaska herring reduction industry.

GENERAL REVIEW

New England groundfish landings (cod, cusk, haddock, hake, pollock, and ocean perch) were 336 million pounds--about 3 percent above those of the previous year. Despite the small overall increase in catch, the North Atlantic groundfish industry continued in the depressed condition that has prevailed for the past decade. Haddock landings (133.5 million pounds) were 15 million pounds larger than in 1960, and cod (42 million pounds) was up 7 million pounds. The catch of ocean perch, however, fell to 132 million pounds from 141 million pounds in 1960. Imports continued to provide an ever-increasing percentage of the United States supply of groundfish fillets, accounting for 68 percent of the total 1961 supply of 288 million pounds. In 1951, only 37 percent of the supply of groundfish came from imports; and in 1939, only 9 percent.

The 1961 halibut fishery of the United States and Canada in the Northeastern Pacific Ocean and Bering Sea caught 69.5 million pounds (landed weight). The catch was about 2.4 million pounds less than the record 71.9 million pounds taken in 1960. Contributing to the decline was the elimination of the second fishing season in Area 2. The short postseason in this area usually yields about half the amount of the 1961 decline. United States fishermen landed 40 million pounds (58 percent) of the 1961 total. Canadian fishermen took less fish than in the previous year (42 percent), thus reversing a trend of the past few years when Canadian fishermen had been increasing their percentage. Halibut fishing continued throughout the season without interruption from labor or price difficulties. Ex-vessel prices were good.

The fishery for Pacific and jack mackerel was better in 1961 than in the previous year. The catch of jack mackerel increased from 75 million pounds in 1960 to 98 million pounds, or 30 percent. Pacific mackerel landings were up from 37 million pounds to 44 million pounds, for a 20-percent increase. Mackerel was relatively plentiful throughout 1961, although fishermen found them in waters well offshore, rather than in the customary inshore areas. Canners found it necessary to set trip quotas for the seiners during virtually the entire season.

The 1961 Pacific sardine season was one of the poorest on record. The catch (only 43 million pounds) was 14 million pounds, or 25 percent, less than in 1960, and only 3 percent of the record 1.5 billion pounds taken in 1936. The 1961 pack of Pacific sardines (419,000 cases valued at $3.7 million) was the fourth smallest since World War I. Canners were anxious for fish, and prices were stable; but large quantities of sardines failed to appear off Southern California. Fishermen reported the fish to be wild, making it impossible at times to make large catches on single sets.

The 1961 catch of crabs was a record 232 million pounds valued at $17 million. Compared with 1960, this was an increase of 10 million pounds (4 percent) in volume and $269,000 (2 percent) in value. The gain was largely in Alaska, where the spectacular king crab industry increased its catch from 28.6 million pounds in 1960 to 43.4 million pounds in 1961. Landings of blue crabs in the Chesapeake area established a new record, and catches in the Gulf were the heaviest since 1945; however, a decline in the South Atlantic catch resulted in an overall decrease in blue crab landings. On the Pacific Coast, Dungeness crab catches were less than in the previous year.

The 1961 production of oysters, although 2.3 pounds above the landings in 1960, was one of the smallest in over one hundred years. The catch of 62 million pounds, valued at $33 million, was only 40 percent of the 1908 landings of 152 million pounds. Production was down in the New England, South Atlantic, and Pacific Coast States, but was up in other areas. A heartening development was the increased harvest in New Jersey, where the fishery had nearly been wiped out by disease.

A total of 343 whales (72 more than in 1960) was taken by six catcher vessels operated by two whaling stations located in San Francisco Bay and a third company located at the mouth of the Columbia River. The season was the most successful since whaling resumed on the Pacific Coast of the United States in 1956. The catch was processed into nearly 12 million pounds of whale products, valued at $847,000.

GENERAL REVIEW

A total of 95,974 sealskins was harvested on the Pribilof Islands in 1961--the third largest production in this century. Only in 1943, (117,184 skins) and 1956, (122,826 skins) was the yield greater.

UNITED STATES CATCH, 1946-61

Year	Quantity	Value to fishermen	Average price per pound
	Million pounds	Million dollars	Cents
1946	4,467	313	7.01
1947	4,349	312	7.16
1948	4,513	371	8.22
1949	4,804	343	7.13
1950	4,901	347	7.09
1951	4,433	365	8.23
1952	4,432	364	8.20
1953	4,487	356	7.94
1954	4,762	359	7.55
1955	4,809	339	7.05
1956	5,268	372	7.06
1957	4,789	354	7.39
1958	4,747	373	7.86
1959	5,122	346	6.76
1960	4,942	354	7.15
1961	5,187	362	6.98

San Pedro, California, was the leading United States fishing port in 1961, in both volume and value. Landings there were 420 million pounds, having an ex-vessel value of $36 million. Pascagoula, Mississippi, was second with 384 million pounds; followed by Lewes, Delaware, 303 million pounds; Reedville, Virginia, 272 million pounds; Cameron, Louisiana, 252 million pounds; and Empire, Louisiana, 247 million pounds. Of these, all but San Pedro were entirely, or principally, menhaden ports. New Bedford, Massachusetts, was second in value of landings with $15 million; followed by Boston, Massachusetts, $10 million; San Diego, California, $8 million; and Gloucester, Massachusetts, $6 million.

In 1961, as in 1959, the catch taken for industrial products (2.7 billion pounds) exceeded the quantity for human food (2.5 billion pounds). Industrial products included the amount manufactured into meal, solubles, and oil; used for bait; fed to fur-bearing animals and pets; and manufactured into shell buttons, etc. It was estimated that the 1961 catch was marketed as follows: 1,572 million pounds (round weight) as fresh and frozen, 1,077 million pounds for canning, 81 million pounds for cured products, and 2,457 million pounds for manufacture into industrial products. About 548 million pounds of waste for filleting, canning, and otherwise preparing fish for market were also used in the manufacture of industrial products.

The per capita consumption of fish and shellfish in the United States in 1961 amounted to 10.7 pounds (edible weight)--0.4 pound more than in 1960. Of this amount, fresh and frozen items accounted for 5.9 pounds; canned, 4.3 pounds; and cured, 0.5 pound. There has been little change in the per capita consumption of fish and shellfish during the past 30 years, except from 1931 to 1934, and 1942 to 1944, when consumption declined due to the depression of the 1930's and World War II. However, while total consumption has remained steady, there has been a sharp decline in consumption of domestic products and a corresponding gain in imports. Available data indicated that in 1948, over 80 percent of the items consumed were of domestic origin, compared with less than 60 percent in 1961.

The total pack of canned fishery products by 366 plants in the United States, American Samoa, and Puerto Rico, amounted to 33 million standard cases (1 billion pounds) valued at $423 million to the packers. Compared with 1960, production was down 1.5 million cases (46 million pounds). The value, however, was $35 million above that of the previous year. Increased production of high-valued salmon, tuna, mackerel, crab meat, and clam products was responsible for the gain. The pack for human consumption was 42 million pounds above that of 1960 due to larger packs of salmon, tuna, and mackerel. Canned bait and animal food was less than in 1960, because animal food containing less than 10 pounds of fish per standard case of 48 pounds was excluded in 1961. (The pack containing less than 10 pounds per case amounted to 2.4 million standard cases). The value of two items--canned salmon and tuna--accounted for 72 percent of the total revenue received by producers of canned fishery products in 1961.

The 1961 production of industrial fishery products by 170 plants in the United States, American Samoa, and Puerto Rico, in 1961, was valued at $74.6 million. Compared with 1960, this was an increase of $8 million. Production of marine animal scrap and meal increased from 290,000 tons in 1960 to 311,000 tons in 1961, establishing a new record. Menhaden meal represented 80 percent of the total. Over 34 million gallons of marine-animal oils were produced in 1961. Compared with 1960, this was an increase of 6.5 million gallons, and the largest production since 1939, when the California sardine fishery was at its peak. Menhaden oil (31.4 million gallons) accounted for 91 percent of the total. Fish solubles and homogenized condensed fish increased from 99,000 tons in 1960, to 112,000 tons in 1961. However, it was well below the 165,000 tons manufactured in 1959. Some firms added solubles to their meal, which resulted in the production being reported as meal, rather than solubles. Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $9.4 million in 1961. Other industrial products (agar-agar, fish feed pellets and animal feeds, Irish moss extract, kelp products, liquid fertilizer, mollusk shell lime, pearl essence, and crab shells) manufactured in 1961 were valued at $13.4 million.

The production of fresh and frozen packaged fish fillets and steaks in the United States during 1961 totaled 158.1 million pounds valued at $51.8 million to the processors. This was an increase of 4.9 million pounds (3 percent) and $3.3 million (7 percent) compared with 1960. It was estimated that 448.6 million pounds of round whole fish were required for the 1961 production of packaged fillets and steaks. Haddock fillets (38.2 million pounds) and Atlantic ocean perch fillets (37.5 million pounds) were the leading items in 1961, accounting for 48 percent of the total volume and 41.5 percent of the total value. Other leading items filleted and steaked were flounders, cod, halibut, and pollock, which made up 37 percent of the total quantity and 42 percent of the total value. The greatest production of packaged fish occurred in the New England area, which accounted for 70 percent of the volume and 61 percent of the total value.

The 1961 production of frozen fish and shellfish by firms reporting to the Bureau of Commercial Fisheries totaled 319.6 million pounds. Leading products frozen during the year were shrimp, (74 million pounds); bait and animal food, (67.6 million pounds); blocks, fillets, and steaks, consisting largely of ocean perch and haddock (56 million pounds); halibut (32.7 million pounds); and headed and gutted whiting (29 million pounds). These items accounted for 81 percent of the total freezings of fish and shellfish. It was estimated that approximately 509 million pounds of fish and shellfish were needed to produce the 319.6 million pounds of round, dressed, and drawn fish, fish fillets, and packaged shellfish frozen in 1960.

United States foreign trade in fishery products (imports plus exports of domestic products) was valued at $432 million in 1961--an increase of $27.5 million over the previous year. The value of fishery products imported for consumption was $397 million--the highest on record. It exceeded by 8 percent the former record established in 1959 and was 10 percent above that of 1960. The value of fishery products exported was $35 million--a decline of 21 percent from the previous year. Imports of edible products in 1961 totaled 1.1 billion pounds valued at a record high of nearly $336 million. Compared with 1960, the volume remained about the same, but the value increased 9 percent. This gain was due to generally higher prices and changes in composition of the receipts. Major increases occurred in imports of frozen groundfish fillets and blocks, fresh and frozen shrimp, canned tuna, and canned sardines. Items imported in reduced volume included canned salmon, fresh or frozen sea herring, and tuna. Imports of nonedible fishery products were valued at $61 million--16 percent more than in 1960. Gains in receipts of fish meal, sperm whale oil, and cultured pearls accounted for the increase. Edible fishery products exported in 1961 totaled 40 million pounds with a value of $19.6 million--a decrease of 35 percent in quantity and 24 percent in value compared with the previous year. Exports of nonedible domestic products, valued at $15 million, were 18 percent less than in 1960.

The 1961 world commercial catch of fish, crustaceans, mollusks, etc., totaled a record $90.7 billion pounds. The catch was 8 percent greater than the 1960 production of 83.8 billion pounds and more than double the volume taken in 1938 and 1948--just before and after World War II. In 1956, the United States followed first-place Japan as a fishing nation. In 1961, it was fifth, preceded by Japan, Peru, China (Mainland), and the U.S.S.R.

There were 430 vessels documented as fishing craft in 1961, including some that were previously removed from the record, but redocumented again during 1961.

VESSELS OBTAINING DOCUMENTS AS FISHING CRAFT, 1950-61

Year	First Documentation	Redocumentation	Total
1950	812	29	841
1951	780	28	808
1952	675	24	699
1953	729	25	754
1954	717	28	745
1955	418	23	441
1956	521	17	538
1957	601	18	619
1958	684	29	713
1959	479	34	513
1960	408	24	432
1961	410	20	430

In connection with compiling statistics on the fisheries for 1961, information on the age of the United States fishing fleet was assembled for the first time. The data revealed that the Chesapeake sail dredge vessels are the oldest fishing fleet in the United States, while the menhaden and shrimp fleets of the Gulf of Mexico were the newest. The figures showed that few New England otter trawl vessels had been built in recent years. The oldest of the large trawlers operating in 1961 was constructed in 1928, while the average for the entire fleet was 1940. The average medium trawler fishing North Atlantic waters was built in 1941. Small trawlers were even older--the average vessel having been built in 1938.

Forty-five percent of the total United States catch in 1961 was made by 180 menhaden vessels operating off the Atlantic and Gulf Coasts. While the menhaden fleet operating in the Gulf of Mexico is of more recent construction (the average vessel having been built in 1951), the average menhaden seiner operating in the Chesapeake Bay was built in 1915.

Detailed summaries of the catch and operating unit data for the United States have been previously published in Current Fishery Statistics No. 3142.

Summaries of operating unit and catch statistics for each region of the United States (except Mississippi River Fisheries) have been published in the Current Fishery Statistics series of bulletins. "Fisheries of the United States," a preliminary review, is available in April of each year. It contains current information on many aspects of the fisheries such as domestic and world catch, per capita consumption, price indexes, foreign trade, supplies, etc; and comparative data for previous years. This publication may be obtained free from the Office of Information, United States Fish and Wildlife Service, Washington 25, D.C.

The current statistical publications of the Bureau that contain data on the domestic fisheries are listed in Fishery Leaflet 432 "Fishery Statistical Publications of the Bureau of Commercial Fisheries." The publication also lists other Federal agencies, interstate commissions, and international and nongovernmental sources of fishery statistics. Copies of this leaflet may be obtained free from the Office of Information.

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

REGION	FISH		SHELLFISH, ETC.		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND.	689	32	71	29	-	-	760	61
MIDDLE ATLANTIC.	778	14	47	10	-	-	825	24
CHESAPEAKE	367	8	111	29	-	-	478	37
SOUTH ATLANTIC	336	9	66	11	-	-	402	20
GULF	1,185	24	192	52	-	-	1,377	76
PACIFIC.	1,051	113	120	14	12	1	1,183	128
GREAT LAKES.	71	7	(1)	(1)	-	-	71	7
MISSISSIPPI RIVER AND TRIBUTARIES	58	6	18	1	-	-	76	7
HAWAII	15	2	(1)	(1)	-	-	15	2
TOTAL.	4,550	215	625	146	12	1	5,187	362

1/ LESS THAN 500,000 POUNDS OR $500,000.

NOTE:--COMMERCIAL LANDINGS OF FISH (726,000 POUNDS VALUED AT $27,246) IN ARIZONA, COLORADO, AND UTAH ARE NOT INCLUDED IN THESE TABULATIONS.

SUMMARY OF OPERATING UNITS, 1961

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	4,231	3,021	3,920	3,721	10,847
ON BOATS AND SHORE . . .	17,506	5,538	14,252	8,973	11,397
TOTAL.	21,737	8,559	18,172	12,694	22,244
VESSELS:					
MOTOR.	738	602	1,285	1,185	3,267
GROSS TONNAGE.	44,242	31,159	23,290	41,152	140,456
SAIL	-	-	65	-	-
GROSS TONNAGE.	-	-	716	-	-
TOTAL VESSELS. . . .	738	602	1,350	1,185	3,267
TOTAL GROSS TONNAGE.	44,242	31,159	24,006	41,152	140,456
BOATS:					
MOTOR.	11,155	3,676	9,228	5,542	8,571
OTHER.	709	447	1,019	992	640
GEAR:					
HAUL SEINES.	19	69	287	176	98
STOP NETS AND SEINES . .	114	5	-	-	-
PURSE SEINES AND LAMPARA NETS:					
HERRING.	14	-	-	-	-
MACKEREL	4	-	-	-	-
MENHADEN	7	58	26	55	69
TUNA	2	-	-	-	-
OTHER.	5	18	-	4	2
BAG NETS	9	-	-	15	-
BEAM TRAWLS.	-	9	-	-	-
OTTER TRAWLS:					
CRAB	-	-	-	264	-
FISH	631	317	113	89	135
LOBSTER	-	41	-	-	-
SCALLOP.	-	-	-	9	-
SHRIMP	10	-	-	2,413	7,895
WEIRS.	125	5	-	-	-
POUND NETS	58	158	3,726	782	-
FLOATING TRAPS	48	-	-	-	-
FYKE AND HOOP NETS . . .	23	394	1,970	315	15,011
POTS AND TRAPS:					
CONCH.	873	50	-	-	-
CRAB	1,562	5,580	175,170	47,475	62,922
CRAWFISH	-	-	-	-	6,620
EEL.	1,207	1,358	8,629	630	-
FISH	-	15,380	6,340	15,775	446
LOBSTER.	884,535	10,563	-	13,360	38,990
TURTLE	-	120	550	90	-
BOX TRAPS.	10	-	-	-	-
SLAT TRAPS	-	-	4	-	-

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

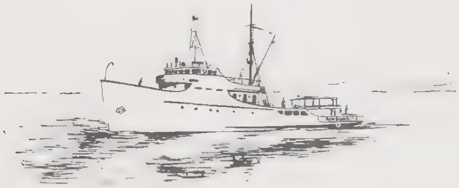
ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
GILL NETS:					
ANCHOR, SET OR STAKE.	41	187	2,902	3,376	148
DRIFT.	88	138	947	710	22
RUNAROUND.	-	30	-	512	1,001
TRAMMEL NETS	-	-	-	15	580
HOOKS AND BAITS.	632,264	329,972	1,097,083	1,244,904	1,385,224
DIP NETS	647	-	416	3,125	20,712
LIFT NETS.	1	-	-	-	-
PUSH NETS.	-	12	-	-	-
CAST NETS.	-	-	-	52	37
HARPOONS	159	10	-	-	-
SPEARS	10	28	-	97	176
SCRAPES.	-	-	615	-	-
DREDGES:					
CLAM	51	115	318	21	-
CRAB	-	64	454	-	-
MUSSEL	11	-	-	-	-
OYSTER	26	113	899	242	1,045
SCALLOP.	1,542	2,186	16	37	32
TONGS AND OYSTER GRABS .	1,148	3,065	8,360	346	2,040
RAKES.	1,190	1,932	727	283	6
HOES	3,261	50	-	-	-
FORKS.	89	-	-	-	-
BRUSH TRAPS.	-	-	-	-	52,300
GRABS, FROG.	-	-	-	-	36
HOOKS:					
SPONGE	-	-	-	-	84
OTHER.	-	1	-	-	-
DIVING OUTFITS	536	-	-	-	12

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES, 1960	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	15,616	1,347	-	320	41,055
ON BOATS AND SHORE . . .	17,665	2,426	10,612	269	88,638
TOTAL.	33,281	3,773	10,612	589	129,693
VESSELS:					
MOTOR.	4,740	469	-	65	11,899
GROSS TONNAGE.	138,610	8,309	-	1,908	400,219
SAIL	-	-	-	-	65
GROSS TONNAGE.	-	-	-	-	716
TOTAL VESSELS. . . .	4,740	469	-	65	11,964
TOTAL GROSS TONNAGE.	138,610	8,309	-	1,908	400,935
BOATS:					
MOTOR.	11,977	1,197	8,663	195	60,118
OTHER.	443	283	852	20	5,405
GEAR:					
HAUL SEINES.	168	107	277	-	1,201
STOP NETS AND SEINES . .	-	-	-	-	119
PURSE SEINES AND LAMPARA NETS:					
HERRING.	24	-	-	-	38
MACKEREL	100	-	-	-	104
MENHADEN	-	-	-	-	180
SALMON	1,446	-	-	-	1,446
SARDINE.	87	-	-	-	87
SQUID.	18	-	-	-	18
TUNA	126	-	-	-	128
OTHER.	41	-	-	-	70
BAG NETS	-	-	-	-	24
BEAM TRAWLS.	31	-	-	-	40
OTTER TRAWLS:					
CRAB	1	-	-	-	265
FISH	236	19	3	-	1,417
LOBSTER.	-	-	-	-	41
SCALLOP.	-	-	-	-	9
SHRIMP	34	-	-	-	9,927

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES, 1960	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
WEIRS	1	-	85	-	216
POUND NETS	6	388	76	-	5,194
TRAP NETS	-	2,653	97	-	2,750
FLOATING TRAPS	11	-	-	-	59
FYKE AND HOOP NETS	-	203	54,737	-	72,653
POTS AND TRAPS:					
CONCH	-	-	-	-	923
CRAB	100,626	-	-	-	393,335
CRAWFISH	635	-	14,435	-	21,690
EEL	-	-	-	-	11,824
FISH	150	-	8,652	-	44,143
LOBSTER	10,845	-	-	-	957,693
OCTOPUS	100	-	-	-	100
SHRIMP	170	-	-	-	170
TURTLE	-	-	-	-	760
BOX TRAPS	-	-	-	-	10
SLAT TRAPS	-	-	-	-	4
GILL NETS:					
ANCHOR, SET OR STAKE	2,609	2,685	6,168	-	18,116
DRIFT	5,077	-	-	-	6,982
RUNAROUND	-	-	-	-	1,541
TRAMMEL NETS	3	-	3,518	-	4,116
HOOKS AND BAITS	1,054,921	114,507	5,174,339	-	11,023,870
DIP NETS	271	6	676	-	25,853
BRAIL OR SCOOP NETS	176	-	-	-	176
LIFT NETS	-	-	-	-	1
REEF NETS	100	-	-	-	100
PUSH NETS	-	-	-	-	12
WHEELS	8	-	-	-	8
CAST NETS	-	-	-	-	89
HARPOONS	68	-	-	-	236
SPEARS	-	-	-	-	311
SCRAPES	-	-	-	-	615
DREDGES:					
CLAM	3	-	-	-	508
CRAB	-	-	-	-	518
MUSSEL	-	-	-	-	11
OYSTER	81	-	-	-	2,406
SCALLOP	-	-	-	-	3,789
TONGS AND OYSTER GRABS	25	-	-	-	14,984
RAKES	-	-	-	-	4,138
HOES	-	-	-	-	3,311
FORKS	-	-	-	-	89
SHOVELS	1,923	-	-	-	1,923
BRUSH TRAPS	-	-	-	-	52,300
CROWFOOT BARS	-	-	1,312	-	1,312
GRABS, FROG	-	-	174	-	210
HOOKS:					
SPONGE	-	-	-	-	84
OTHER	-	-	-	-	1
DIVING OUTFITS	129	-	-	-	677



SUMMARY OF UNITED STATES FISHING VESSELS, BY TONNAGE GROUPS, 1961

GROSS TONNAGE	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9.	37	55	828	223	173	1,023	75	2	2,406
10 - 19.	138	158	312	274	640	2,003	251	19	3,781
20 - 29.	91	84	70	167	418	670	92	19	1,574
30 - 39.	93	68	32	195	460	361	29	10	1,152
40 - 49.	61	48	23	159	447	251	19	7	917
50 - 59.	49	38	16	57	296	101	2	5	509
60 - 69.	43	32	12	44	542	48	-	2	690
70 - 79.	49	24	14	13	157	33	1	1	258
80 - 89.	20	10	3	-	32	29	-	-	89
90 - 99.	23	2	-	3	15	29	-	-	69
100 - 109.	17	4	1	1	7	23	-	-	48
110 - 119.	27	11	7	1	5	19	-	-	57
120 - 129.	12	4	3	2	4	10	-	-	31
130 - 139.	13	1	2	-	5	9	-	-	27
140 - 149.	7	3	7	3	7	2	-	-	25
150 - 159.	13	2	2	2	2	6	-	-	26
160 - 169.	8	2	1	-	6	5	-	-	22
170 - 179.	5	7	-	1	6	1	-	-	18
180 - 189.	2	5	2	3	7	5	-	-	21
190 - 199.	6	31	4	12	11	17	-	-	67
200 - 209.	1	-	-		-	1	-	-	2
210 - 219.	3	-	-		1	2	-	-	6
220 - 229.	3	4	1	3	3	2	-	-	13
230 - 239.	1	1	1	2	4	5	-	-	12
240 - 249.	3	1	1	4	1	1	-	-	10
250 - 259.	3	-	-	7	3	4	-	-	14
260 - 269.	2	-	3	4	2	3	-	-	13
270 - 279.	-	-	-	-	-	4	-	-	4
280 - 289.	-	3	1	2	-	-	-	-	3
290 - 299.	2	1	1	1	1	2	-	-	7
300 - 309.	2	2	-	1	-	2	-	-	6
310 - 319.	2	1	-	-	1	4	-	-	8
320 - 329.	2	-	1	-	-	2	-	-	5
330 - 339.	-	-	-	-	-	2	-	-	2
340 - 349.	-	-	-	-	-	2	-	-	2
350 - 359.	-	-	-	-	-	7	-	-	7
360 - 369.	-	-	-	-	-	7	-	-	7
370 - 379.	-	-	1	-	-	12	-	-	13
380 - 389.	-	-	-	-	-	4	-	-	4
390 - 399.	-	-	1	1	-	1	-	-	2
400 - 409.	-	-	-	-	-	1	-	-	1
410 - 419.	-	-	-	-	1	2	-	-	3
420 - 429.	-	-	-	-	-	3	-	-	3
430 - 439.	-	-	-	-	-	6	-	-	6
440 - 449.	-	-	-	-	-	5	-	-	5
450 - 459.	-	-	-	-	-	1	-	-	1
460 - 469.	-	-	-	-	1	2	-	-	3
470 - 479.	-	-	-	-	5	3	-	-	8
480 - 489.	-	-	-	-	-	2	-	-	2
490 - 499.	-	-	-	-	-	1	-	-	1
570 - 579.	-	-	-	-	-	1	-	-	1
610 - 619.	-	-	-	-	1	-	-	-	1
640 - 649.	-	-	-	-	1	-	-	-	1
700 - 709.	-	-	-	-	-	1	-	-	1
TOTAL VESSELS. . .	738	602	1,350	1,185	3,267	4,740	469	65	11,964
TOTAL GROSS TONNAGE	44,242	31,159	24,006	41,152	140,456	138,610	8,309	1,908	400,935

UNITED STATES - CATCH BY REGION, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	22,611	219	51	2	17,970	322	11,953	120	281	11
AMBERJACK	-	-	1	(2)	-	-	5	(2)	7	(2)
ANCHOVIES	71	7	-	-	-	-	-	-	-	-
ANGLERFISH	9	(2)	23	1	-	-	-	-	-	-
BALLYHOO	-	-	-	-	-	-	3	(2)	62	9
BARRACUDA	-	-	-	-	-	-	1	(2)	[illegible]	(2)
BLUEFISH	78	13	967	194	313	47	1,732	167	646	71
BLUE RUNNER	-	-	-	-	-	-	39	3	949	40
BONITO	46	6	68	8	23	3	1	(2)	2	(2)
BOWFIN	-	-	-	-	1	(2)	5	(2)	7	(2)
BUFFALOFISH	-	-	-	-	-	-	-	-	808	95
BUTTERFISH	4,159	432	4,047	33	1,670	144	349	35	-	-
CABIO	-	-	-	-	21	2	25	2	29	2
CARP	3	(2)	244	12	849	28	161	5	15	1
CATFISH AND BULLHEADS	-	-	32	3	2,908	189	14,254	1,899	6,561	1,352
CIGARFISH	-	-	-	-	-	-	-	-	321	23
COD	42,169	2,581	3,603	340	619	74	-	-	-	-
CRAPPIE	-	-	-	-	2	(2)	-	-	-	-
CREVALLE	-	-	-	-	-	-	88	3	535	15
CROAKER	-	-	57	15	3,131	579	1,913	163	77	5
CUNNER	(2)	(2)	-	-	-	-	-	-	-	-
CUSK	1,905	101	-	-	-	-	-	-	-	-
DOLPHIN	-	-	-	-	-	-	7	1	24	1
DRUM:										
BLACK	-	-	2	(2)	249	11	143	10	2,123	159
RED	-	-	-	-	12	1	[illegible]	23	2,208	346
EELS:										
COMMON	115	24	249	38	384	43	58	2	-	-
CONGER	5	(2)	9	(2)	-	-	-	-	-	-
FLOUNDERS	67,155	6,958	12,573	1,701	2,763	468	2,198	279	679	117
GARFISH	-	-	-	-	-	-	-	-	317	17
GIZZARD SHAD	-	-	-	-	113	1	-	-	-	-
GROUPERS	-	-	-	-	-	-	264	28	6,798	694
GRUNTS	-	-	1	(2)	-	-	47	3	85	5
HADDOCK	133,536	9,901	61	6	(2)	(2)	-	-	-	-
HAKE:										
RED	7,227	88	1,519	35	27	(2)	-	-	-	-
WHITE	5,104	211	102	5	8	1	-	-	-	-
HALIBUT	285	80	-	-	-	-	-	-	-	-
HARVESTFISH	-	-	-	-	254	24	41	3	-	-
HERRING:										
SEA	57,856	1,094	306	6	11	(2)	-	-	-	-
THREAD	-	-	-	-	-	-	4,128	45	-	-
HICKORY SHAD	-	-	-	-	70	4	290	14	-	-
HOGCHOKER	-	-	-	-	17	(2)	-	-	-	-
HOGFISH	-	-	-	-	-	-	2	(2)	35	5
JEWFISH	-	-	-	-	-	-	17	1	85	7
KING MACKEREL	2	(2)	-	-	18	3	2,120	279	1,683	175
KING WHITING OR "KINGFISH"	1	(2)	27	4	209	17	3,144	291	1,164	64
LAMPREY	1	(2)	-	-	-	-	-	-	-	-
LAUNCE	194	11	-	-	-	-	-	-	-	-
MACKEREL	2,276	327	330	54	406	64	-	-	-	-
MENHADEN	26,011	223	715,049	7,930	298,679	3,146	254,505	2,688	1,020,433	11,592
MINNOWS	-	-	1	1	-	-	-	-	-	-
MOJARRA	-	-	-	-	-	-	146	13	76	4
MULLET	-	-	20	4	33	3	7,863	570	34,830	1,912
OCEAN PERCH, ATLANTIC	132,012	5,114	-	-	-	-	-	-	-	-
PADDLEFISH	-	-	-	-	-	-	-	-	12	1
PERMIT	-	-	-	-	-	-	(2)	(2)	20	2
PIGFISH	-	-	-	-	2	(2)	231	13	4	(2)
PIKE OR PICKEREL	-	-	-	-	2	(2)	(2)	(2)	-	-
POLLOCK	21,399	795	[illegible]	(2)	(2)	(2)	-	-	-	-
POMPANO	-	-	-	-	(2)	(2)	221	136	542	36
SALMON, ATLANTIC	(2)	(2)	-	-	-	-	-	-	-	-
SAND PERCH	-	-	-	-	(2)	(2)	18	1	-	-
SAWFISH	-	-	-	-	-	-	-	-	[illegible]	(2)
SCUP OR PORGY	9,166	459	25,742	1,790	11,355	659	253	20	48	[illegible]
SEA BASS, BLACK (ATLANTIC)	263	51	1,610	350	3,349	553	983	136	-	-
SEA CATFISH	-	-	-	-	-	-	18	1	[illegible]	[illegible]
SEA ROBIN	213	4	9	(2)	-	-	-	-	-	-
SEA TROUT OR WEAKFISH:										
GRAY	3	(2)	605	81	1,473	188	2,390	134	-	-
SPOTTED	-	-	-	-	74	15	[illegible]	245	[illegible]	[illegible]
WHITE	-	-	-	-	-	-	-	-	[illegible]	[illegible]
SHAD	541	80	1,026	169	3,144	511	1,612	[illegible]	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES - CATCH BY REGION, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SHARKS:										
GRAYFISH	970	6	70	3	463	14	-	-	-	-
UNCLASSIFIED	39	2	10	(2)	42	1	24	2	669	12
TOTAL SHARKS	1,009	8	80	3	505	15	24	2	689	12
SHEEPSHEAD:										
FRESH-WATER	-	-	-	-	-	-	-	-	574	57
SALT-WATER	-	-	(2)	(2)	-	-	79	6	330	24
SILVERSIDES	1	(2)	199	20	-	-	-	-	-	-
SKATES	44	1	33	1	2	(2)	-	-	-	-
SMELT	139	41	-	-	-	-	-	-	-	-
SNAPPER:										
MANGROVE	-	-	-	-	-	-	52	10	262	40
MUTTON	-	-	-	-	-	-	46	10	90	18
RED	-	-	-	-	-	-	800	205	11,888	3,061
VERMILION	-	-	-	-	-	-	45	6	22	4
YELLOWTAIL	-	-	-	-	-	-	95	23	640	141
SPADEFISH	-	-	-	-	1	(2)	2	(2)	-	-
SPANISH MACKEREL	(2)	(2)	-	-	123	20	3,296	346	4,014	386
SPANISH SARDINE	-	-	-	-	-	-	-	-	36	1
SPOT	-	-	-	-	1,194	116	6,453	430	264	14
STRIPED BASS	397	67	1,252	209	7,262	902	551	88	-	-
STURGEON, COMMON	16	1	25	5	25	6	95	16	18	2
SUCKERS	5	(2)	1	(2)	7	(2)	-	-	-	-
SUNFISH	-	-	(2)	(2)	6	1	-	-	-	-
SWELLFISH	-	-	566	21	1,160	29	294	9	-	-
SWORDFISH	829	320	72	34	-	-	-	-	-	-
TAUTOG	94	4	46	2	3	(2)	-	-	-	-
TENPOUNDER	-	-	-	-	-	-	2	(2)	390	13
TILEFISH	642	61	184	19	29	3	-	-	1	(2)
TOMCOD	-	-	1	(2)	-	-	-	-	-	-
TRIGGERFISH	-	-	-	-	-	-	3	(2)	6	(2)
TRIPLETAIL	-	-	-	-	-	-	11	1	4	(2)
TUNA:										
BLUEFIN	2,353	131	15	2	(2)	(2)	-	-	-	-
LITTLE	-	-	2	(2)	-	-	1	(2)	-	-
TOTAL TUNA	2,353	131	17	2	(2)	(2)	1	(2)	-	-
WARSAW	-	-	-	-	-	-	7	(2)	223	15
WHITE PERCH	8	1	116	14	1,750	130	346	35	-	-
WHITING	93,945	1,996	6,303	235	473	14	3	(2)	-	-
WOLFFISH	643	39	-	-	-	-	-	-	-	-
YELLOW PERCH	-	-	(2)	(2)	91	9	40	2	-	-
UNCLASSIFIED:										
FOR FOOD	6,044	381	305	29	96	7	280	19	1,027	74
BAIT, REDUCTION, AND ANIMAL FOOD	48,745	272	549	6	4,222	35	11,118	88	78,375	1,338
TOTAL FISH	689,406	32,104	776,355	13,684	367,327	8,387	336,082	9,017	1,185,433	23,387
SHELLFISH, ETC.										
CRABS:										
BLUE:										
HARD	4	1	1,406	119	70,634	3,411	40,350	1,589	35,258	1,617
SOFT AND PEELER	-	-	111	26	4,260	1,036	101	35	634	315
GREEN	126	11	-	-	-	-	-	-	-	-
ROCK	1,900	88	44	2	-	-	-	-	-	-
STONE	-	-	-	-	-	-	25	9	453	156
TOTAL CRABS	2,030	100	1,561	147	74,894	4,447	40,476	1,633	36,345	2,088
CRAWFISH, FRESH-WATER	-	-	-	-	-	-	-	-	1,018	148
HORSESHOE CRABS	-	-	1,110	8	-	-	-	-	-	-
LOBSTERS:										
NORTHERN	25,931	13,767	2,051	798	16	7	-	-	-	-
SPINY	-	-	-	-	-	-	702	249	2,101	721
SHRIMP	68	14	6	6	-	-	19,749	6,939	133,795	43,650
CLAMS:										
HARD	4,705	2,127	6,560	3,457	2,318	1,082	603	236	15	5
OCEAN QUAHOG	124	12	-	-	-	-	-	-	-	-
RAZOR	25	8	14	3	-	-	-	-	-	-
SOFT	2,504	1,249	164	47	4,695	1,232	-	-	-	-
SURF	12	2	27,419	1,758	71	6	-	-	-	-
TOTAL CLAMS	7,370	3,398	34,157	5,265	7,084	2,320	603	236	15	5
CONCHS	117	20	224	30	201	16	(2)	(2)	1	(2)
MUSSELS, SEA	615	48	18	2	-	-	-	-	-	-

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UNITED STATES - CATCH BY REGION, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
SHELLFISH, ETC.-CON'TD.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OCTOPUS	-	-	-	-	-	-	(2)	(2)	-	-
OYSTERS, MARKET, EASTERN:										
PUBLIC	57	51	13	15	12,137	9,313	1,132	566	7,747	2,209
PRIVATE	396	474	1,908	2,006	15,363	12,421	2,852	1,213	10,493	2,916
TOTAL OYSTERS	453	525	1,921	2,021	27,500	21,734	3,984	1,779	18,240	5,125
PERIWINKLES AND COCKLES	34	10	-	-	-	-	-	-	-	-
SCALLOPS:										
BAY	704	671	862	621	-	-	106	42	36	14
CALICO	-	-	-	-	-	-	26	10	-	-
SEA	23,775	9,035	3,368	1,238	318	131	-	-	-	-
SQUID	1,221	105	1,766	127	349	18	30	3	31	2
SEA URCHINS	74	2	-	-	-	-	-	-	-	-
TERRAPIN	-	-	2	1	17	7	-	-	-	-
TURTLES:										
BABY	-	-	-	-	-	-	-	-	1	4
GREEN	-	-	-	-	-	-	(2)	(2)	36	6
LOGGERHEAD	-	-	1	(2)	1	(2)	1	(2)	3	(2)
SNAPPER	-	-	40	4	199	26	29	5	15	2
SOFT-SHELL	-	-	-	-	-	-	456	23	-	-
UNCLASSIFIED	-	-	1	(2)	-	-	-	-	-	-
TOTAL TURTLES	-	-	42	4	200	26	488	28	55	12
FROGS	-	-	-	-	-	-	-	-	5	2
IRISH MOSS	6,995	114	-	-	-	-	-	-	-	-
SPONGES	-	-	-	-	-	-	-	-	37	367
BLOODWORMS	600	521	-	-	-	-	-	-	-	-
SANDWORMS	685	424	-	-	-	-	-	-	-	-
TOTAL SHELLFISH, ETC.	70,672	28,754	47,088	10,268	110,579	28,706	66,164	10,919	191,679	52,134
GRAND TOTAL	760,078	60,858	825,443	23,952	477,906	37,093	402,246	19,936	1,377,112	75,521

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES 1/		HAWAII		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	3,211	42	-	-	-	-	56,077	716
AMBERJACK	-	-	-	-	-	-	72	21	85	21
ANCHOVIES	7,712	110	-	-	-	-	-	-	7,783	117
ANGLERFISH	-	-	-	-	-	-	-	-	32	1
BALLYHOO	-	-	-	-	-	-	-	-	65	9
BARRACUDA	709	107	-	-	-	-	8	3	726	110
BLUEFISH	-	-	-	-	-	-	-	-	3,736	512
BLUE PIKE	-	-	3	1	-	-	-	-	3	1
BLUE RUNNER	-	-	-	-	-	-	-	-	988	43
BONITO	8,513	218	-	-	-	-	-	-	8,653	235
BOWFIN	-	-	4	(2)	71	2	-	-	88	2
BUFFALOFISH	-	-	19	2	14,996	1,740	-	-	15,823	1,837
BURBOT	-	-	456	14	63	1	-	-	519	15
BUTTERFISH	-	-	-	-	-	-	-	-	10,225	948
CABEZONE	5	(2)	-	-	-	-	-	-	5	(2)
CABIO	-	-	-	-	-	-	-	-	75	6
CABRILLA	11	2	-	-	-	-	-	-	11	2
CARP	1,137	25	8,027	297	20,466	730	-	-	30,901	1,098
CATFISH AND BULLHEADS	-	-	2,088	461	12,625	2,448	-	-	38,468	6,352
CHUBS	-	-	16,516	2,128	-	-	-	-	16,516	2,128
CIGARFISH	-	-	-	-	-	-	-	-	323	23
CISCO	-	-	9	3	-	-	-	-	9	3
COD	3,067	150	-	-	-	-	-	-	49,658	3,145
CRAPPIE	-	-	3	1	61	11	-	-	66	12
CREVALLE	-	-	-	-	-	-	76	35	699	53
CROAKER	-	-	-	-	-	-	-	-	5,175	762
CUNNER	-	-	-	-	-	-	-	-	(2)	(2)
CUSK	-	-	-	-	-	-	-	-	1,905	101
DOLLY VARDEN TROUT	12	1	-	-	-	-	-	-	12	1
DOLPHIN	-	-	-	-	-	-	116	48	147	50
DRUM:										
BLACK	-	-	-	-	-	-	-	-	2,517	180
RED	-	-	-	-	-	-	-	-	2,427	370
EELS:										
COMMON	-	-	30	5	(2)	(2)	-	-	836	110
CONGER	-	-	-	-	-	-	6	1	20	1

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(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES 1/		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FLOUNDERS	47,723	3,140	-	-	-	-	-	-	133,111	12,663
FLYING FISH	33	4	-	-	-	-	-	-	33	4
GARFISH	-	-	(2)	(2)	826	40	-	-	1,143	57
GIZZARD SHAD	-	-	10	(2)	-	-	-	-	123	1
GOATFISH	-	-	-	-	-	-	135	72	135	72
GOLDFISH	-	-	293	9	-	-	-	-	293	9
GROUPERS	202	43	-	-	-	-	-	-	7,264	765
GRUNTS	-	-	-	-	-	-	-	-	133	8
HADDOCK	-	-	-	-	-	-	-	-	133,597	9,907
HAKE:										
PACIFIC	219	2	-	-	-	-	-	-	219	2
RED	-	-	-	-	-	-	-	-	8,773	123
WHITE	-	-	-	-	-	-	-	-	5,214	217
HALFMOON	6	1	-	-	-	-	-	-	6	1
HALIBUT	53,238	8,408	-	-	-	-	-	-	53,523	8,488
HARDHEAD	99	20	-	-	-	-	-	-	99	20
HARVESTFISH	-	-	-	-	-	-	-	-	295	27
HERRING:										
LAKE	-	-	11,702	653	-	-	-	-	11,702	653
SEA	54,491	730	-	-	-	-	-	-	112,734	1,832
THREAD	-	-	-	-	-	-	-	-	4,128	45
HICKORY SHAD	-	-	-	-	-	-	-	-	350	18
HOGCHOKER	-	-	-	-	-	-	-	-	17	(2)
HOGFISH	-	-	-	-	-	-	-	-	37	5
JACK MACKEREL	97,606	2,025	-	-	-	-	204	84	97,810	2,109
JEWFISH	-	-	-	-	-	-	-	-	102	8
KING CROAKER	889	39	-	-	-	-	-	-	889	39
KING MACKEREL	-	-	-	-	-	-	-	-	3,823	457
KING WHITING OR "KING-FISH"	-	-	-	-	-	-	-	-	4,545	376
LAKE TROUT	-	-	328	199	-	-	-	-	328	199
LAMPREY	-	-	-	-	-	-	-	-	1	(2)
LAUNCE	-	-	-	-	-	-	-	-	194	11
LINGCOD	7,999	428	-	-	-	-	-	-	7,999	428
MACKEREL	44,110	956	-	-	-	-	-	-	47,122	1,401
MARLIN	-	-	-	-	-	-	518	144	518	144
MENHADEN	-	-	-	-	-	-	-	-	2,314,677	25,579
MINNOWS	-	-	-	-	-	-	-	-	1	1
MOJARRA	-	-	-	-	-	-	-	-	222	17
MOONEYE	-	-	2	(2)	17	1	-	-	19	1
MULLET	-	-	-	-	-	-	67	59	42,813	2,548
OCEAN PERCH:										
ATLANTIC	-	-	-	-	-	-	-	-	132,062	5,114
PACIFIC	12,443	594	-	-	-	-	-	-	12,443	594
OPALEYE	2	(2)	-	-	-	-	-	-	2	(2)
PADDLEFISH	-	-	-	-	743	96	-	-	755	97
PERCH	299	41	-	-	-	-	-	-	299	41
PERMIT	-	-	-	-	-	-	-	-	20	2
PIGFISH	-	-	-	-	-	-	-	-	237	13
PIKE OR PICKEREL	-	-	298	44	6	(2)	-	-	306	44
POLLOCK	-	-	-	-	-	-	-	-	21,406	795
POMPANO	11	3	-	-	-	-	-	-	774	522
QUILLBACK	-	-	8	(2)	300	9	-	-	308	9
RATFISH	1,130	8	-	-	-	-	-	-	1,130	8
ROCK BASS	3	1	18	2	-	-	-	-	21	3
ROCKFISHES	24,882	1,137	-	-	-	-	-	-	24,882	1,137
RUDDERFISH	-	-	-	-	-	-	7	3	7	3
SABLEFISH	6,704	693	-	-	-	-	-	-	6,704	693
SALMON:										
ATLANTIC	-	-	-	-	-	-	-	-	(2)	(2)
CHINOOK OR KING	26,962	10,963	-	-	-	-	-	-	26,962	10,963
CHUM OR KETA	48,139	4,254	-	-	-	-	-	-	48,139	4,254
PINK	108,452	10,951	-	-	-	-	-	-	108,452	10,951
RED OR SOCKEYE	103,644	20,324	-	-	-	-	-	-	103,644	20,324
SILVER OR COHO	23,201	5,535	-	-	-	-	-	-	23,201	5,535
TOTAL SALMON	310,398	52,027	-	-	-	-	-	-	310,398	52,027
SAND PERCH	-	-	-	-	-	-	-	-	18	1
SARDINE, PACIFIC	43,169	1,146	-	-	-	-	1	(2)	43,170	1,146
SAUGER	-	-	95	9	-	-	-	-	95	9
SAWFISH	-	-	-	-	-	-	-	-	6	(2)
SCULPIN	27	7	-	-	-	-	-	-	27	7
SCUP OR PORGY	-	-	-	-	-	-	-	-	46,584	2,931
SEA BASS:										
BLACK (ATLANTIC)	-	-	-	-	-	-	-	-	6,405	1,090
BLACK (PACIFIC)	340	56	-	-	-	-	19	10	359	66
WHITE	695	217	-	-	-	-	-	-	695	217
SEA CATFISH	-	-	-	-	-	-	-	-	391	23
SEA ROBIN	-	-	-	-	-	-	-	-	222	4

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UNITED STATES - CATCH BY REGION, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES 1/		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA TROUT OR WEAKFISH:										
GRAY	-	-	-	-	-	-	-	-	4,471	403
SPOTTED	-	-	-	-	-	-	-	-	5,380	1,283
WHITE	-	-	-	-	-	-	-	-	436	33
SHAD	927	117	-	-	-	-	-	-	7,256	1,243
SHARKS:										
GRAYFISH	841	4	-	-	-	-	-	-	2,344	27
SOUPFIN	1	(2)	-	-	-	-	-	-	1	(2)
UNCLASSIFIED	624	60	-	-	-	-	-	-	1,428	77
TOTAL SHARKS	1,466	64	-	-	-	-	-	-	3,773	104
SHEEPSHEAD:										
FRESH-WATER	-	-	5,798	117	6,119	349	-	-	12,491	523
SALT-WATER	13	1	-	-	-	-	-	-	422	31
SIERRA	1	(2)	-	-	-	-	-	-	1	(2)
SILVERSIDES	-	-	-	-	-	-	-	-	190	20
SKATES	1,230	14	-	-	-	-	-	-	1,309	16
SMELT	1,804	193	3,540	134	1	(2)	-	-	5,484	368
SNAPPER:										
MANGROVE	-	-	-	-	-	-	-	-	314	50
MUTTON	-	-	-	-	-	-	-	-	136	28
RED	-	-	-	-	-	-	-	-	12,688	3,266
VERMILION	-	-	-	-	-	-	-	-	67	10
YELLOWTAIL	-	-	-	-	-	-	-	-	735	164
UNCLASSIFIED	-	-	-	-	-	-	207	120	207	120
SPADEFISH	-	-	-	-	-	-	-	-	3	(2)
SPANISH MACKEREL	-	-	-	-	-	-	-	-	7,433	752
SPANISH SARDINE	-	-	-	-	-	-	-	-	36	1
SPLITTAIL	1	(2)	-	-	-	-	-	-	1	(2)
SPOT	-	-	-	-	-	-	1	(2)	7,912	560
STEELHEAD TROUT	925	240	-	-	-	-	-	-	925	240
STRIPED BASS	33	4	-	-	-	-	-	-	9,495	1,270
STURGEON:										
COMMON	538	73	5	5	-	-	-	-	722	108
SHOVELNOSE	-	-	-	-	53	9	-	-	53	9
SUCKERS	27	(2)	1,695	69	590	13	-	-	2,325	82
SUNFISH	-	-	19	2	-	-	-	-	25	3
SWELLFISH	-	-	-	-	-	-	-	-	2,020	59
SWORDFISH	369	162	-	-	-	-	23	4	1,293	520
TAUTOG	-	-	-	-	-	-	-	-	143	6
TENPOUNDER	-	-	-	-	-	-	2	1	394	14
TILEFISH	-	-	-	-	-	-	-	-	856	83
TOMCOD	58	1	-	-	-	-	-	-	59	1
TRIGGERFISH	-	-	-	-	-	-	1	(2)	10	(2)
TRIPLETAIL	-	-	-	-	-	-	-	-	15	1
TULLIBEE	-	-	2,196	64	-	-	-	-	2,196	64
TUNA:										
ALBACORE	32,830	5,863	-	-	-	-	14	4	32,844	5,867
BLUEFIN	20,883	2,705	-	-	-	-	3/1,037	3/ 508	3/24,288	3/3,346
LITTLE	-	-	-	-	-	-	2	(2)	5	(2)
SKIPJACK	65,403	7,219	-	-	-	-	10,951	1,307	76,354	8,526
YELLOWFIN	191,854	24,439	-	-	-	-	459	168	192,313	24,607
TOTAL TUNA	310,970	40,226	-	-	-	-	12,463	1,987	325,804	42,346
TURBOT	71	4	-	-	-	-	-	-	71	4
WAHOO	9	3	-	-	-	-	25	5	34	8
WARSAW	-	-	-	-	-	-	-	-	230	15
WHITEBAIT	336	25	-	-	-	-	-	-	336	25
WHITE BASS	-	-	2,212	312	27	5	-	-	2,239	317
WHITEFISH:										
COMMON	-	-	1,299	678	22	4	-	-	1,321	682
MENOMINEE	-	-	68	14	-	-	-	-	68	14
WHITE PERCH	-	-	1	(2)	-	-	-	-	2,221	180
WHITING	-	-	-	-	-	-	-	-	100,729	2,245
WOLFFISH	-	-	-	-	-	-	-	-	643	39
YELLOW BASS	-	-	-	-	5	1	-	-	5	1
YELLOW PERCH	-	-	9,351	1,246	212	20	-	-	9,694	1,277
YELLOW PIKE	-	-	1,337	460	667	96	-	-	2,004	556
YELLOWTAIL	381	28	-	-	-	-	-	-	381	28
UNCLASSIFIED:										
FOR FOOD	28	2	-	-	-	-	464	262	8,244	774
BAIT, REDUCTION, AND ANIMAL FOOD	3,777	75	-	-	-	-	-	-	146,786	1,[illegible]14
TOTAL FISH	1,050,848	113,571	70,641	6,971	57,870	5,575	14,415	2,859	4,550,377	215,555
SHELLFISH, ETC										
CRABS:										
BLUE:										
HARD	-	-	-	-	-	-	-	-	147,652	[illegible]
SOFT AND PEELER	-	-	-	-	-	-	-	-	5,106	1,411

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(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES 1/		HAWAII		TOTAL	
SHELLFISH, ETC.-CONT'D.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS - CONTINUED:										
DUNGENESS	32,699	4,977	-	-	-	-	-	-	32,699	4,977
GREEN	-	-	-	-	-	-	-	-	126	11
KING.	43,412	3,914	-	-	-	-	-	-	43,412	3,914
ROCK.	152	12	-	-	-	-	-	-	2,096	102
STONE	-	-	-	-	-	-	-	-	478	165
TANNER.	7	1	-	-	-	-	-	-	7	1
UNCLASSIFIED.	-	-	-	-	-	-	30	18	30	18
TOTAL CRABS . . .	76,270	6,904	-	-	-	-	30	18	231,606	17,337
CRAWFISH, FRESH-WATER .	23	7	(2)	(2)	1,168	140	-	-	2,209	295
HORSESHOE CRABS	-	-	-	-	-	-	-	-	1,110	8
LIMPET.	-	-	-	-	-	-	2	5	2	5
LOBSTERS:										
NORTHERN.	-	-	-	-	-	-	-	-	27,998	14,572
SPINY	419	284	-	-	-	-	13	9	3,235	1,263
SHRIMP.	20,912	1,079	-	-	-	-	(2)	(2)	174,530	51,688
ABALONE	910	607	-	-	-	-	-	-	910	607
CLAMS:										
COCKLE.	2	1	-	-	-	-	-	-	2	1
HARD.	403	170	-	-	-	-	(2)	(2)	14,604	7,077
OCEAN QUAHOG.	-	-	-	-	-	-	-	-	124	12
RAZOR	686	261	-	-	-	-	-	-	725	272
SOFT.	-	-	-	-	-	-	-	-	7,363	2,528
SURF.	-	-	-	-	-	-	-	-	27,502	1,766
MIXED	10	5	-	-	-	-	-	-	10	5
TOTAL CLAMS . . .	1,101	437	-	-	-	-	(2)	(2)	50,330	11,661
CONCHS.	-	-	-	-	-	-	-	-	543	66
MUSSELS, SEA.	-	-	-	-	-	-	-	-	633	50
MUSSEL SHELLS	-	-	-	-	16,519	904	-	-	16,519	904
PEARLS AND SLUGS. . . .	-	-	-	-	-	55	-	-	-	55
OCTOPUS	28	3	-	-	-	-	4	2	32	5
OYSTERS, MARKET:										
EASTERN:										
PUBLIC.	-	-	-	-	-	-	-	-	21,086	12,154
PRIVATE	15	5	-	-	-	-	-	-	31,027	19,035
PACIFIC	10,154	1,920	-	-	-	-	-	-	10,154	1,920
WESTERN	38	95	-	-	-	-	-	-	38	95
TOTAL OYSTERS . .	10,207	2,020	-	-	-	-	-	-	62,305	33,204
PERIWINKLES AND COCKLES	-	-	-	-	-	-	-	-	34	10
SCALLOPS:										
BAY	(2)	(2)	-	-	-	-	-	-	1,706	1,348
CALICO.	-	-	-	-	-	-	-	-	26	10
SEA	-	-	-	-	-	-	-	-	27,461	10,404
SQUID	10,287	231	-	-	-	-	8	4	13,692	490
SEA URCHINS	-	-	-	-	-	-	-	-	74	2
TERRAPIN.	-	-	-	-	-	-	-	-	19	8
TURTLES:										
BABY.	-	-	-	-	34	253	-	-	35	257
GREEN	-	-	-	-	-	-	(2)	(2)	36	6
LOGGERHEAD.	-	-	-	-	-	-	-	-	6	(2)
SLIDER.	-	-	-	-	19	(2)	-	-	19	(2)
SNAPPER	-	-	-	-	280	34	-	-	563	71
SOFT-SHELL.	-	-	-	-	4	(2)	-	-	462	23
UNCLASSIFIED.	-	-	-	-	-	-	-	-	1	(2)
TOTAL TURTLES.. .	-	-	-	-	337	287	(2)	(2)	1,122	357
FROGS	-	-	-	-	88	31	-	-	93	33
IRISH MOSS.	-	-	-	-	-	-	-	-	6,995	114
SPONGES	-	-	-	-	-	-	-	-	37	367
BLOODWORMS.	-	-	-	-	-	-	-	-	600	521
SANDWORMS	-	-	-	-	-	-	-	-	685	424
TOTAL SHELLFISH, ETC.	120,157	13,572	(2)	(2)	18,112	1,417	57	38	624,508	145,808
WHALE PRODUCTS:										
MEAL.	3,316	203	-	-	-	-	-	-	3,316	203
MEAT.	5,010	401	-	-	-	-	-	-	5,010	401
OIL:										
SPERM	696	63	-	-	-	-	-	-	696	63
WHALE	2,774	179	-	-	-	-	-	-	2,774	179
SOLUBLES.	28	1	-	-	-	-	-	-	28	1
TOTAL WHALE PRODUCTS	11,824	847	-	-	-	-	-	-	11,824	847
GRAND TOTAL . . .	1,182,829	127,990	70,641	6,971	75,982	6,992	14,472	2,897	5,186,709	362,210

1/ INCLUDES A COMBINATION OF 1960 AND 1961 DATA. 2/ LESS THAN 500 POUNDS OR $500. 3/ INCLUDES DATA ON THE CATCH OF BIGEYE TUNA IN HAWAII.

UNITED STATES - CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	MARINE WATERS AND COASTAL RIVERS		LAKES 1/		MISSISSIPPI RIVER AND TRIBUTARIES 2/		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	8,458	1,991	-	-	11,362	969	19,820	2,960
ALASKA	413,468	46,470	-	-	-	-	413,468	46,470
ARKANSAS	-	-	-	-	6,036	733	6,036	733
CALIFORNIA	598,438	56,283	-	-	-	-	598,438	56,283
CONNECTICUT	6,142	1,186	-	-	-	-	6,142	1,186
DELAWARE	304,680	3,743	-	-	-	-	304,680	3,743
FLORIDA	190,142	25,713	10,958	1,494	-	-	201,100	27,207
GEORGIA	20,532	3,018	-	-	-	-	20,532	3,018
HAWAII	14,472	2,897	-	-	-	-	14,472	2,897
ILLINOIS	-	-	340	54	6,183	599	6,523	653
INDIANA	-	-	14	2	1,008	51	1,022	53
IOWA	-	-	-	-	3,179	296	3,179	296
KANSAS	-	-	-	-	60	8	60	8
KENTUCKY	-	-	-	-	3,460	331	3,460	331
LOUISIANA	648,334	21,432	-	-	8,054	1,343	656,388	22,775
MAINE	197,970	19,029	-	-	-	-	197,970	19,029
MARYLAND	66,492	12,778	-	-	-	-	66,492	12,778
MASSACHUSETTS	470,774	36,900	-	-	-	-	470,774	36,900
MICHIGAN	-	-	24,535	2,931	-	-	24,535	2,931
MINNESOTA	-	-	5,835	309	9,518	439	15,353	748
MISSISSIPPI	391,689	7,549	-	-	2,194	328	393,883	7,877
MISSOURI	-	-	-	-	374	33	374	33
MONTANA	-	-	-	-	17	1	17	1
NEBRASKA	-	-	-	-	541	39	541	39
NEW HAMPSHIRE	1,146	426	-	-	-	-	1,146	426
NEW JERSEY	396,752	11,032	-	-	-	-	396,752	11,032
NEW YORK	124,011	9,177	897	142	-	-	124,908	9,319
NORTH CAROLINA	286,751	6,669	-	-	-	-	286,751	6,669
NORTH DAKOTA	-	-	-	-	827	35	827	35
OHIO	-	-	15,810	1,398	-	-	15,810	1,398
OKLAHOMA	-	-	-	-	334	42	334	42
OREGON	50,542	6,521	-	-	-	-	50,542	6,521
PENNSYLVANIA	-	-	1,286	147	-	-	1,286	147
RHODE ISLAND	84,046	3,317	-	-	-	-	84,046	3,317
SOUTH CAROLINA	19,242	3,345	-	-	-	-	19,242	3,345
SOUTH DAKOTA	-	-	-	-	2,202	140	2,202	140
TENNESSEE	-	-	-	-	9,281	998	9,281	998
TEXAS	203,252	24,246	-	-	721	92	203,973	24,338
VIRGINIA	411,414	24,315	-	-	-	-	411,414	24,315
WASHINGTON	120,381	18,716	-	-	-	-	120,381	18,716
WISCONSIN	-	-	21,924	1,988	10,253	504	32,177	2,492
WYOMING	-	-	-	-	378	11	378	11
TOTAL	5,029,128	346,753	81,599	8,465	75,982	6,992	5,186,709	362,210

1/ INCLUDES THE CATCH OF THE GREAT LAKES, THE INTERNATIONAL LAKES OF MINNESOTA, AND THE INLAND LAKES OF FLORIDA.
2/ INCLUDES A COMBINATION OF 1960 AND 1961 DATA.

UNITED STATES - CATCH BY GEAR, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	1,502	32	1,726	223	20,389	906	12,960	1,070
STOP NETS AND SEINES	37,616	714	132	6	-	-	-	-
PURSE SEINES	60,154	740	701,888	8,148	262,264	2,587	258,252	2,731
BAG NETS	82	12	-	-	-	-	50	11
BEAM TRAWLS	-	-	4	4	-	-	-	-
OTTER TRAWLS	554,301	28,631	50,929	4,695	23,661	1,842	47,111	7,981
WEIRS	4,627	96	616	6	-	-	-	-
POUND NETS	5,301	396	20,750	425	47,003	1,791	11,666	281
FLOATING TRAPS	8,006	449	-	-	-	-	-	-
FYKE AND HOOP NETS	8	1	193	17	2,281	124	478	50
POTS AND TRAPS	27,419	13,561	2,718	569	4/48,685	4/2,505	29,097	1,843
GILL NETS	6,524	384	2,140	300	9,829	1,148	14,153	1,387
TRAMMEL NETS	-	-	-	-	-	-	166	72
HOOKS AND BAITS	10,028	705	2,818	304	16,813	953	22,882	2,389
DIP NETS	1,802	160	-	-	201	49	609	47
LIFT NETS	500	4	-	-	-	-	-	-
PUSH NETS	-	-	1	1	-	-	-	-
CAST NETS	-	-	-	-	-	-	45	13
HARPOONS	1,004	334	72	33	-	-	-	-
SPEARS	6	1	39	5	-	-	133	24
SCRAPES	-	-	-	-	2,710	583	-	-
DREDGES	26,382	10,445	36,020	6,673	31,487	15,511	811	466
TONGS AND RAKES 9/	10,708	1,938	4,304	2,292	12,326	8,970	1,935	841
HOES AND FORKS	4,034	2,224	6	3	-	-	-	-
HOOKS	-	-	(7)	(7)	-	-	-	-
DIVING OUTFITS	39	20	-	-	-	-	-	-
BY HAND	35	11	1,087	248	257	124	1,898	730
TOTAL	760,078	60,858	825,443	23,952	477,906	37,093	402,246	[illegible]

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES - CATCH BY GEAR, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	GULF		PACIFIC		GREAT LAKES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	7,931	573	2/ 4,465	2/ 390	10,822	612
PURSE SEINES	1,020,470	11,600	2/642,733	2/50,721	-	-
BEAM TRAWLS	-	-	6,225	362	-	-
OTTER TRAWLS	215,130	45,259	115,905	6,044	9,258	318
WEIRS	-	-	104	10	-	-
POUND NETS	-	-	477	111	4,728	255
TRAP NETS	-	-	-	-	11,030	1,322
FLOATING TRAPS	-	-	5,393	548	-	-
FYKE AND HOOP NETS	2,490	427	-	-	1,250	140
POTS AND TRAPS	25,182	2,042	76,907	9,205	-	-
GILL NETS	37,957	2,755	5/135,515	5/24,706	33,166	4,236
TRAMMEL NETS	7,008	1,028	(5)	(5)	-	-
HOOKS AND BAITS	39,542	5,901	165,874	31,355	386	88
DIP NETS	2,658	261	6/4,028	6/257	1	(7)
REEF NETS	-	-	785	217	-	-
WHEELS	-	-	40	6	-	-
CAST NETS	39	2	-	-	-	-
HARPOONS	-	-	12,159	994	-	-
SPEARS	98	22	-	-	-	-
DREDGES	13,171	3,548	8/10,034	8/1,957	-	-
TONGS AND RAKES 9/	5,075	1,581	8/236	8/86	-	-
SHOVELS	-	-	1,038	414	-	-
BRUSH TRAPS	274	137	-	-	-	-
GRABS	5	2	-	-	-	-
HOOKS	6	46	-	-	-	-
DIVING OUTFITS	31	321	911	607	-	-
BY HAND	45	16	(8)	(8)	-	-
TOTAL	1,377,112	75,521	1,182,829	127,990	70,641	6,971

GEAR	MISSISSIPPI RIVER AND TRIBUTARIES 1/		HAWAII		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	(3)	(3)	79	33	59,874	3,839
STOP NETS AND SEINES	-	-	-	-	37,748	720
PURSE SEINES	-	-	-	-	2,945,761	76,527
BAG NETS	-	-	221	126	353	149
BEAM TRAWLS	-	-	-	-	6,229	366
OTTER TRAWLS	(3)	(3)	-	-	1,016,295	94,770
WEIRS	(3)	(3)	-	-	5,347	112
POUND NETS	(3)	(3)	-	-	89,925	3,259
TRAP NETS	(3)	(3)	-	-	11,030	1,322
FLOATING TRAPS	-	-	-	-	13,399	997
FYKE AND HOOP NETS	(3)	(3)	-	-	6,700	759
POTS AND TRAPS	(3)	(3)	126	60	210,134	29,785
GILL NETS	(3)	(3)	61	35	239,345	34,951
TRAMMEL NETS	(3)	(3)	-	-	7,174	1,100
HOOKS AND BAITS	(3)	(3)	13,784	2,525	272,127	44,220
DIP NETS	(3)	(3)	-	-	9,299	774
LIFT NETS	-	-	102	43	602	47
REEF NETS	-	-	-	-	785	217
PUSH NETS	-	-	-	-	1	1
WHEELS	-	-	-	-	40	6
CAST NETS	-	-	1	1	85	16
HARPOONS	-	-	-	-	13,235	1,361
SPEARS	-	-	2	1	278	53
SCRAPES	-	-	-	-	2,710	583
DREDGES	-	-	-	-	117,905	38,600
TONGS AND RAKES 9/	-	-	-	-	34,584	15,708
HOES AND FORKS	-	-	-	-	4,040	2,227
SHOVELS	-	-	-	-	1,038	414
BRUSH TRAPS	-	-	-	-	274	137
GRABS	(3)	(3)	-	-	5	2
HOOKS	-	-	-	-	6	46
DIVING OUTFITS	-	-	-	-	981	948
BY HAND	(3)	(3)	2	5	3,324	1,134
UNCLASSIFIED GEAR	75,982	6,992	94	68	76,076	7,060
TOTAL	75,982	6,992	14,472	2,897	5,186,709	362,210

1/ INCLUDES A COMBINATION OF 1960 AND 1961 DATA. 2/ THE CATCH BY HAUL SEINES IN ALASKA AND BY LAMPARA NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH PURSE SEINES. 3/ DATA NOT AVAILABLE. 4/ THE CATCH BY SLAT TRAPS IN VIRGINIA HAS BEEN INCLUDED WITH POTS AND TRAPS. 5/ THE CATCH BY TRAMMEL NETS IN CALIFORNIA HAS BEEN INCLUDED WITH GILL NETS. 6/ THE CATCH BY BRAIL OR SCOOP NETS IN CALIFORNIA HAS BEEN INCLUDED WITH DIP NETS. 7/ LESS THAN 500 POUNDS OR $500. 8/ THE CATCH BY HAND IN WASHINGTON AND OREGON HAS BEEN INCLUDED IN THE CATCH BY DREDGES. IN CALIFORNIA, IT HAS BEEN INCLUDED WITH TONGS. 9/ INCLUDES THE CATCH BY OYSTER GRABS.

GENERAL REVIEW

CATCH FROM WATERS OFF THE UNITED STATES AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1961

(MILLION POUNDS)

AREA AND SPECIES	WATERS OFF U.S. COASTS	HIGH SEAS OFF FOREIGN COASTS	TOTAL
	QUANTITY	QUANTITY	QUANTITY
ATLANTIC AND GULF STATES:			
NEW ENGLAND:			
COD	39.3	2.9	42.2
CUSK	1.6	.3	1.9
FLOUNDERS	66.7	.5	67.2
HADDOCK	113.1	20.4	133.5
HAKE:			
RED	7.1	.1	7.2
WHITE	4.7	.4	5.1
HALIBUT	.2	.1	.3
OCEAN PERCH	31.0	101.1	132.1
POLLOCK	16.9	4.5	21.4
WHITING	93.9	(1)	93.9
WOLFFISH	.4	.2	.6
OTHER	254.7	(1)	254.7
TOTAL	629.6	130.5	760.1
MIDDLE ATLANTIC, CHESAPEAKE, AND SOUTH ATLANTIC STATES, TOTAL	1,705.6	-	1,705.6
GULF:			
SHRIMP	99.6	34.2	133.8
SNAPPER, RED	7.6	4.3	11.9
OTHER	1,230.5	.9	1,231.4
TOTAL	1,337.7	39.4	1,377.1
TOTAL ATLANTIC AND GULF STATES	3,672.9	169.9	3,842.8
PACIFIC COAST STATES:			
ALASKA, WASHINGTON, AND OREGON:			
BOTTOMFISH (WASHINGTON AND OREGON) 2/	44.6	25.2	69.8
HALIBUT	48.8	4.4	53.2
SALMON	300.0	1.8	301.8
TUNA, ALBACORE	3.7	(1)	3.7
OTHER	155.5	.4	155.9
TOTAL	552.6	31.8	584.4
CALIFORNIA:			
BARRACUDA	.5	.2	.7
BONITO	8.4	.1	8.5
FLOUNDERS	17.7	.1	17.8
GROUPERS	-	.2	.2
POMPANO	(1)	(1)	(1)
ROCKFISHES	10.5	.3	10.8
SABLEFISH	1.6	(1)	1.6
SEA BASS:			
BLACK	(1)	.3	.3
WHITE	.5	.2	.7
SHARKS, UNCLASSIFIED	.6	(1)	.6
SHEEPSHEAD	(1)	(1)	(1)
SWORDFISH	.4	(1)	.4
TUNA:			
ALBACORE	20.7	8.4	29.1
BLUEFIN	13.8	7.1	20.9
SKIPJACK	(1)	65.4	65.4
YELLOWFIN	-	191.9	191.9
YELLOWTAIL	.1	.3	.4
LOBSTERS, SPINY	.4	(1)	.4
OTHER	248.5	.2	248.7
TOTAL	323.7	274.7	598.4
TOTAL PACIFIC COAST STATES	876.3	306.5	1,182.8
GREAT LAKES AND MISSISSIPPI RIVER STATES, TOTAL	146.6	-	146.6
HAWAII, TOTAL	14.5	-	14.5
GRAND TOTAL	4,710.3	476.4	5,186.7

1/ LESS THAN 50,000 POUNDS.

2/ PRINCIPALLY COD, FLOUNDERS (INCLUDING SOLE), LINGCOD, OCEAN PERCH, ROCKFISHES, AND SABLEFISH.

GENERAL REVIEW

RELATIVE VOLUME OF THE CATCH, BY SPECIES 1961

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD CATCH	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	2,314,677	44.6	1961	2,314,677
TUNA	325,804	6.3	1950	391,454
SALMON	310,398	6.0	1936	790,884
CRABS	231,606	4.5	1961	231,606
SHRIMP	174,530	3.4	1954	268,334
INDUSTRIAL FISH 1/	146,786	2.8	1959	247,980
HADDOCK	133,597	2.6	1929	293,809
FLOUNDERS	133,111	2.6	1948	138,924
OCEAN PERCH, ATLANTIC	132,062	2.6	1951	258,320
HERRING, SEA:				
ATLANTIC	58,243	1.1	1902	200,598
PACIFIC	54,491	1.1	1937	263,200
TOTAL	112,734	2.2	-	-
WHITING	100,729	1.9	1957	133,041
JACK MACKEREL	97,810	1.9	1952	146,522
OYSTERS	62,305	1.2	2/ 1908	152,046
ALEWIVES	56,077	1.1	1908	89,978
HALIBUT, PACIFIC	53,238	1.0	1915	66,696
CLAMS	50,330	1.0	1961	50,330
COD:				
ATLANTIC	46,591	.9	1880	294,351
PACIFIC	3,067	.1	1915	32,681
TOTAL	49,658	1.0	-	-
SCUP OR PORGY	46,584	.9	1960	49,229
MACKEREL, PACIFIC	44,110	.9	1935	146,727
SARDINE, PACIFIC	43,170	.8	1936	1,502,299
MULLET	42,813	.8	1902	43,385
CATFISH AND BULLHEADS	38,468	.7	1961	38,468
CARP	30,901	.6	1908	42,659
LOBSTERS, NORTHERN	27,998	.5	1960	31,168
SCALLOPS, SEA	27,461	.5	1961	27,461
ROCKFISHES	24,882	.5	1945	57,686
POLLOCK	21,406	.4	1938	40,694
MUSSEL SHELLS	16,519	.3	1905	81,869
CHUBS	16,516	.3	1960	16,854
BUFFALOFISH	15,823	.3	1950	25,873
SQUID	13,692	.3	1946	40,266
SNAPPER, RED	12,688	.2	1902	23,457
SHEEPSHEAD, FRESH-WATER	12,491	.2	1959	13,644
OCEAN PERCH, PACIFIC	12,443	.2	1961	12,443
WHALE PRODUCTS 3/	11,824	.2	(4)	(4)
HERRING, LAKE	11,702	.2	1899	59,914
BUTTERFISH	10,225	.2	1939	17,151
YELLOW PERCH	9,694	.2	1934	16,282
STRIPED BASS	9,495	.2	1961	9,495
HAKE, RED	8,773	.2	(4)	(4)
BONITO	8,653	.2	1947	13,918
LINGCOD	7,999	.2	1944	14,262
SPOT	7,912	.2	1952	15,863
ANCHOVIES	7,783	.2	1953	86,004
SPANISH MACKEREL	7,433	.1	1945	11,593
GROUPERS	7,264	.1	1945	8,882
SHAD	7,256	.1	1890	43,000
IRISH MOSS	6,995	.1	1961	6,995
SABLEFISH	6,704	.1	1945	17,750
SEA BASS, BLACK (ATLANTIC)	6,405	.1	1952	21,997
SMELT	5,484	.1	1958	13,303
SEA TROUT OR WEAKFISH, SPOTTED	5,380	.1	1936	8,800
HAKE, WHITE	5,214	.1	1889	39,900
CROAKER	5,175	.1	1945	64,668
KING WHITING OR "KINGFISH"	4,545	.1	1952	5,270
SEA TROUT OR WEAKFISH, GRAY	4,471	.1	1945	41,420
UNCLASSIFIED	86,906	1.7	-	-
TOTAL	5,186,709	100.0	1950	5,268,246

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS.

3/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS PRODUCED WHICH INCLUDE MEAL, MEAT, AND OIL.

4/ DATA NOT AVAILABLE.

RELATIVE VALUE OF THE CATCH, BY SPECIES, 1961

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SALMON.	52,027	14.4	1951	52,509
SHRIMP.	51,688	14.3	1953	76,641
TUNA.	42,346	11.7	1950	61,342
OYSTERS	33,204	9.2	1961	33,204
MENHADEN.	25,579	7.0	1956	28,425
CRABS	17,337	4.8	1961	17,337
LOBSTERS, NORTHERN. . . .	14,572	4.0	1961	14,572
FLOUNDERS	12,663	3.5	1951	13,253
CLAMS	11,661	3.2	1960	12,049
SCALLOPS, SEA	10,404	2.9	1959	11,805
HADDOCK	9,907	2.7	1946	13,043
HALIBUT, PACIFIC.	8,408	2.3	1956	9,013
CATFISH AND BULLHEADS . .	6,352	1.8	1952	6,411
OCEAN PERCH, ATLANTIC . .	5,114	1.4	1951	12,597
SNAPPER, RED.	3,266	.9	1961	3,266
COD:				
ATLANTIC.	2,995	.8	1948	4,742
PACIFIC	150	.1	1959	664
TOTAL	3,145	.9	-	-
SCUP OR PORGY	2,931	.8	1951	2,994
MULLET.	2,548	.7	1945	4,647
WHITING	2,245	.6	1951	2,903
CHUBS	2,128	.6	1958	2,564
JACK MACKEREL	2,109	.6	1952	4,755
BUFFALOFISH	1,837	.5	1952	3,564
HERRING, SEA:				
ATLANTIC.	1,102	.3	1948	3,798
PACIFIC	730	.2	1947	2,152
TOTAL	1,832	.5	-	-
INDUSTRIAL FISH 1/. . . .	1,814	.5	1959	2,632
SCALLOPS, BAY	1,348	.4	1960	1,474
SEA TROUT OR WEAKFISH, SPOTTED.	1,283	.4	1952	1,781
YELLOW PERCH.	1,277	.4	1958	1,540
STRIPED BASS.	1,270	.4	1959	1,436
LOBSTERS, SPINY	1,263	.3	1957	1,500
SHAD.	1,243	.3	1945	2,680
SARDINE, PACIFIC.	1,146	.3	1950	12,140
ROCKFISHES.	1,137	.3	1945	2,648
CARP.	1,098	.3	1951	2,007
SEA BASS, BLACK (ATLANTIC)	1,090	.3	1952	5,206
MACKEREL, PACIFIC	956	.3	1957	1,231
BUTTERFISH.	948	.3	1958	971
MUSSEL SHELLS	904	.2	(2)	(2)
WHALE PRODUCTS 3/	847	.2	(2)	(2)
POLLOCK	795	.2	1945	1,819
GROUPERS.	765	.2	1945	1,038
CROAKER	762	.2	1945	6,950
SPANISH MACKEREL.	752	.2	1945	1,521
ALEWIVES.	716	.2	1958	881
SABLEFISH	693	.2	1946	1,834
WHITEFISH, COMMON	682	.2	1948	3,784
HERRING, LAKE	653	.2	1952	1,458
ABALONE	607	.2	1961	607
OCEAN PERCH, PACIFIC. . .	594	.2	1961	594
SPOT.	560	.2	1949	975
YELLOW PIKE	556	.2	1951	2,152
SHEEPSHEAD, FRESH-WATER .	523	.1	1951	929
POMPANO	522	.1	1941	695
BLOODWORMS.	521	.1	1961	521
SWORDFISH	520	.1	1946	1,435
BLUEFISH.	512	.1	1951	760
SQUID	490	.1	1947	1,370
UNCLASSIFIED.	10,060	2.8	-	-
TOTAL	362,210	100.0	1958	373,311

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

2/ DATA NOT AVAILABLE.

3/ THE VALUE OF WHALE PRODUCTS REPRESENT THE AMOUNT RECEIVED BY THE MANUFACTURER FOR THE PRODUCTION OF WHALE MEAL, MEAT, AND OIL.

UNITED STATES CATCH, 1961 - LIVE WEIGHT BASIS

In the annual digest it has been the practice of the Bureau to show the catch of univalve and bivalve mollusks on the basis of the weight of meats. Insofar as possible, all other fish and shellfish items are shown on a live weight basis.

Since world fishery statistics published by the Food and Agriculture Organization of the United Nations represent the live weight of the catch for all items of fish and shellfish, it has been necessary to provide that organization with information on the domestic catch of all species on a live weight basis. Data released by the Food and Agriculture Organization, therefore, indicate that the 1961 United States catch was 1.3 billion pounds greater than the figure appearing in Bureau publications. The increase is due to the inclusion of the weight of the shells of univalve and bivalve mollusks in the Food and Agriculture Organization data.

It has been deemed desirable to include in this report a table showing the entire domestic catch on a live weight basis. Information is also published on the catch of fishery products in the principal countries of the world so that the relative importance of the domestic fisheries can be determined. Tables containing these data follow:

UNITED STATES CATCH, 1961 - LIVE WEIGHT BASIS

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	QUANTITY	VALUE
FISH	4,550,377	215,555
SHELLFISH, ETC.:		
UNIVALVE AND BIVALVE MOLLUSKS:		
ABALONE	4,554	607
CLAMS:		
COCKLE	6	1
HARD	114,319	7,077
OCEAN QUAHOG	995	12
RAZOR	1,733	272
SOFT	36,971	2,528
SURF	137,264	1,766
MIXED	47	5
TOTAL CLAMS	291,335	11,661
LIMPETS	11	5
CONCHS	1,804	66
MUSSELS:		
SEA	4,398	50
FRESH-WATER	18,171	959
OYSTERS, MARKET	887,390	33,204
PERIWINKLES AND COCKLES	140	10
SCALLOPS:		
BAY	13,479	1,348
CALICO	340	10
SEA	227,697	10,404
TOTAL UNIVALVE AND BIVALVE MOLLUSKS	1,449,319	58,324
CRUSTACEANS	440,688	85,163
OTHER	23,349	2,321
TOTAL SHELLFISH, ETC.	1,913,356	145,808
WHALE PRODUCTS	11,824	847
GRAND TOTAL	6,475,557	362,210

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES

The 1961 world commercial catch of fish, crustaceans, mollusks, etc., totaled a record 90.7 billion pounds, according to the "Yearbook of Fishery Statistics, 1961" released by the Food and Agriculture Organization of the United Nations. The 1961 catch was 8 percent over the 1960 production of 83.8 billion pounds and was more than double the volume taken in 1938 and 1948--just before and after World War II.

Five countries accounted for well over 50 percent of the 1961 world catch. Japan (16.3 percent) continued to be the leading fishing nation of the world. Peru, the third place fishing nation in 1960, moved up to second position in 1961 with 12.7 percent of the world catch. In third place was China (Mainland) with 12.2 percent, followed by the U. S. S. R. (7.9 percent), and the United States (7.1 percent).

In 1956, the United States ranked second only to Japan as a fishing nation. In 1961, it followed not only Japan but also Peru, China (Mainland), and the U. S. S. R. Peru's catch has risen phenomenally from only 470 million pounds in 1955 to 11.6 billion pounds in 1961, due chiefly to the development of the anchovy fishery.

Asia, excluding the U. S. S. R., accounted for 41 percent of the world catch. Europe, excluding the U. S. S. R., accounted for 20 percent, followed by South America, 15 percent; North America, 10 percent; U. S. S. R., 8 percent; and Africa, 6 percent. An insignificant percentage was taken in Oceania.

About 37 percent of the world catch was marketed fresh. Reduction into meal and oil accounted for 23 percent; cured, 18 percent; and canned and frozen, 10 percent each. The remaining 2 percent was used for miscellaneous purposes.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1961

(LIVE WEIGHT BASIS)

COUNTRY	BILLION POUNDS	PERCENT
JAPAN	14.[illegible]	16.3
PERU	11.56	12.7
CHINA (MAINLAND)	1/ 11.07	12.2
U. S. S. R.	7.16	7.9
UNITED STATES	2/ 6.48	7.1
NORWAY	3.33	3.7
CANADA	2.25	2.5
SPAIN	2.24	2.5
INDIA	2.12	2.3
UNITED KINGDOM	1.98	2.2
INDONESIA	1.62	1.8
ICELAND	1.55	1.7
UNION OF SOUTH AFRICA	1.45	1.6
DENMARK	1.41	1.5
GERMANY, WESTERN	1.36	1.5
PORTUGAL	1.26	1.4
FRANCE	1.25	1.4
REPUBLIC OF THE PHILIPPINES	1.05	1.2
CHILE	.95	1.0
KOREA, SOUTH	.91	1.0
SOUTH WEST AFRICA	.[illegible]	.9
NETHERLANDS	.76	.8
PAKISTAN	.70	.8
CHINA (TAIWAN)	.62	.7
THAILAND	.6[illegible]	.[illegible]
SWEDEN	.58	.6
BRAZIL	3/ .57	.6
ANGOLA	.53	.6
VIET-NAM, SOUTH	3/ .53	.6
ITALY	.52	.6
MEXICO	1/ .42	.5
POLAND	.41	.5
FEDERATION OF MALAYA	.39	.4
OTHER	7.40	8.2
TOTAL	90.74	100.0

1/ 1959 DATA.

2/ REVISED.

3/ 1960 DATA.

SOURCE:--YEARBOOK OF FISHERY STATISTICS, 1961, VOLUME XIV, FOOD AND AGRICULTURE ORGANIZATION OF THE UNIT NATIONS.

SEED OYSTER FISHERY, 1961

ITEM	NEW ENGLAND 1/	MIDDLE ATLANTIC 2/	CHESAPEAKE 3/	SOUTH ATLANTIC 4/	TOTAL
OPERATING UNITS	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	22	716	199	-	937
ON BOATS AND SHORE:					
REGULAR	-	-	558	12	570
CASUAL.	-	-	338	-	338
TOTAL	22	716	1,095	12	1,845
VESSELS, MOTOR. . . .	6	67	79	-	152
GROSS TONNAGE . . .	202	2,345	499	-	3,046
BOATS:					
MOTOR	-	-	592	12	604
OTHER	-	-	4	-	4
GEAR:					
DREDGES, COMMON . .	12	131	-	-	143
YARDS AT MOUTH. .	14	175	-	-	189
TONGS	-	-	1,095	-	1,095

ITEM	NEW ENGLAND 1/		MIDDLE ATLANTIC 2/		CHESAPEAKE 3/		SOUTH ATLANTIC 4/		TOTAL	
CATCH	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE
OYSTERS, SEED:										
PUBLIC:										
SPRING.	-	-	180,000	$225,000	932,710	$730,110	-	-	1,112,710	$955,110
FALL.	-	-	-	-	1,140,709	547,452	-	-	1,140,709	547,452
PRIVATE:										
SPRING.	11,550	$61,075	-	-	29,335	26,275	300	$108	41,185	87,458
FALL.	11,714	37,643	-	-	102,323	75,450	500	180	114,537	113,273
TOTAL	23,264	98,718	180,000	225,000	2,205,077	1,379,287	800	288	2,409,141	1,703,293

1/ CONFINED TO CONNECTICUT.
2/ CONFINED TO NEW JERSEY.
3/ CONFINED TO VIRGINIA.
4/ CONFINED TO SOUTH CAROLINA.

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES. OF THE TOTAL NUMBER OF PERSONS FISHING FOR SEED OYSTERS, 1,222 WERE DUPLICATED AMONG THOSE FISHING FOR MARKET OYSTERS OR OTHER SPECIES. SIMILARLY, THE FOLLOWING CRAFT AND GEAR WERE DUPLICATED: 96 VESSELS (1,454 GROSS TONS), 586 MOTOR BOATS, 61 DREDGES (79 YARDS AT MOUTH), AND 985 TONGS.

WHOLESALING AND MANUFACTURING, 1961

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS.	541	506	597	458	768
PERSONS ENGAGED:					
AVERAGE FOR SEASON.	13,671	8,379	13,506	7,643	17,615
AVERAGE FOR YEAR.	8,606	6,373	7,144	4,930	10,438
FISHERMEN MANUFACTURING	460	250	-	-	110

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS.	558	247	443	20	4,138
PERSONS ENGAGED:					
AVERAGE FOR SEASON.	24,855	3,073	3,008	365	92,115
AVERAGE FOR YEAR.	13,478	1,818	1,704	308	54,799
FISHERMEN MANUFACTURING	-	-	-	-	820

MANUFACTURED FISHERY PRODUCTS

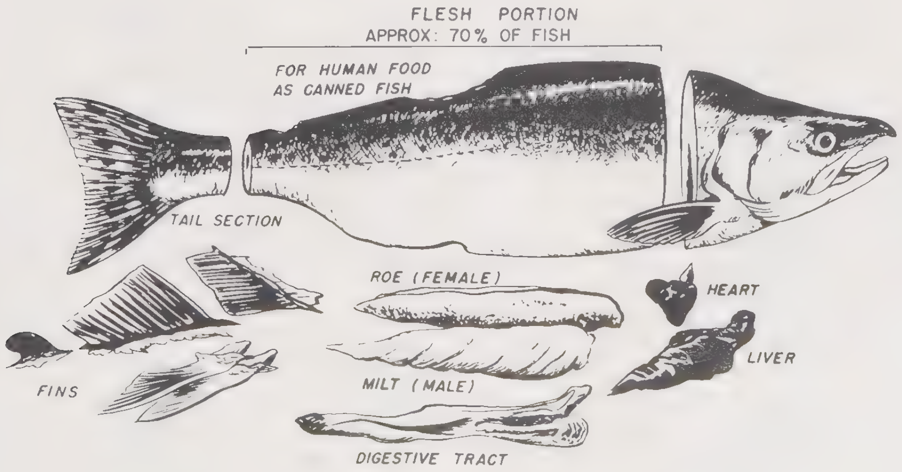
The 1961 production of manufactured fishery products (packaged fresh and frozen, canned, cured, and industrial products) in the United States, American Samoa, and Puerto Rico was valued at $877 million to the packers. This was $63 million more than in the previous year. Canned products made up 48 percent of the total value; fresh and frozen packaged items, 37 percent; industrial products (principally meal, oil, and solubles), 9 percent; and cured products, 6 percent.

The canned fish and shellfish pack in 1961 totaled 1 billion pounds valued at $423 million. The pack for human food amounted to 709 million pounds valued at $383 million, while that for animal food and bait totaled 334 million pounds valued at $40 million. Tuna led all other species in 1961 with a record pack of 15.8 million standard cases (311 million pounds), valued at $189 million--$16 million more than in 1960.

The pack of canned salmon amounted to 3.7 million cases (177 million pounds) valued at $117 million. This was an increase of 862,000 cases and $29 million over the 1960 total. Canning of Maine sardines was far below normal. Only 754,000 cases (17.6 million pounds) valued at $7.6 million were packed--1.2 million cases and $9.1 less than in 1960. The decline was caused by failure of the fish to appear in usual numbers rather than market conditions.

Production of fresh and frozen packaged fish and shellfish in 1961 amounted to 583 million pounds valued at $327 million, a decline of 2 million pounds but an increase of $10 million. Higher prices for processed shrimp and oysters accounted for most of the gain. Industrial fishery products, principally fish meal, oil, and solubles, were valued at nearly $75 million--an increase of $8 million over the previous year. Fish meal production totaled a record 311,000 tons valued at $32 million, an increase of 21,000 tons and $7 million compared with 1960. Over 34 million gallons of marine animal oil valued at $14 million were produced--7 million gallons and nearly $1 million more than in the previous year. Production of fish solubles and homogenized condensed fish amounted to 112,000 tons valued at $5 million--an increase of 13,000 tons and $1.4 million.

PACIFIC SALMON



MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		QUANTITY	VALUE
ALEWIVES:			
CANNED:			
FISH	STANDARD CASES	52,339	$240,828
ROE	DO	27,291	372,136
SALTED:			
CORNED	POUNDS	4,500,700	163,517
BRINED (INCLUDING FILLETS)	DO	2,843,138	232,865
PICKLED (INCLUDING FILLETS)	DO	1,209,016	176,911
SMOKED	DO	3,811	329
OIL	GALLONS	12,053	4,433
ANCHOVIES, CANNED:			
FISH	STANDARD CASES	73,108	409,276
PASTE	DO	1,561	109,970
BUTTERFISH:			
SALTED	POUNDS	22,900	19,860
SMOKED	DO	455,645	311,329
CARP, SMOKED	DO	142,254	101,232
CHUBS, SMOKED	DO	8,205,206	4,825,242
CISCO, SMOKED	DO	127,711	95,528
COD:			
FILLETS:			
FRESH	DO	6,588,123	2,311,704
FROZEN	DO	3,143,906	807,980
STEAKS, FRESH AND FROZEN	DO	395,624	84,677
CAKES, BREADED AND FROZEN	DO	1,583,031	726,558
SALTED (WHOLE, FILLETS, AND SHREDDED)	DO	1,137,478	532,768
SMOKED (WHOLE AND FILLETS)	DO	420,615	149,969
LUTEFISK (FROM DRIED COD)	DO	1,176,600	283,100
CUSK FILLETS:			
FRESH	DO	308,872	88,136
FROZEN	DO	31,377	9,411
EELS, COMMON, SMOKED	DO	246,340	181,990
FLOUNDER:			
FILLETS:			
FRESH	DO	21,344,867	8,947,150
FROZEN	DO	10,172,305	3,259,810
BREADED, FROZEN	DO	139,049	63,148
STUFFED, FROZEN	DO	82,737	75,721
GROUPER:			
FILLETS:			
FRESH	DO	172,980	77,528
FROZEN	DO	107,870	46,858
STEAKS:			
FRESH	DO	33,463	12,573
FROZEN	DO	19,490	8,046
HADDOCK:			
FILLETS:			
FRESH	DO	21,248,830	7,138,982
FROZEN	DO	16,911,423	4,870,234
SMOKED (INCLUDING FINNAN HADDIE)	DO	219,370	80,668
HAKE:			
FILLETS:			
FRESH	DO	327,055	93,587
FROZEN	DO	13,167	2,183
SALTED, WHOLE AND STRIPS	DO	354,159	88,190
HALIBUT:			
FILLETS, FROZEN	DO	1,125,350	644,589
STEAKS, FRESH AND FROZEN	DO	8,728,317	4,292,694
CHEEKS, FROZEN	DO	19,749	6,525
SMOKED (INCLUDING KIPPERED)	DO	363,932	106,474
HERRING:			
LAKE:			
FILLETS:			
FRESH	DO	38,504	11,901
FROZEN	DO	37,000	9,600
SALTED	DO	2,196,744	380,240
SMOKED	DO	210,000	58,410
SEA:			
MAINE SARDINES, CANNED	STANDARD CASES	753,647	7,559,619
SALTED:			
BRINE	POUNDS	210,000	66,900
PICKLED AND VINEGARED	DO	11,508,416	5,593,036
SPECIALTIES (IN SAUCES AND SPECIAL CURING)	DO	7,250,595	4,259,008
SMOKED:			
BONELESS	DO	444,760	146,206
OTHER (INCLUDING KIPPERED)	DO	545,730	180,790
MEAL AND SCRAP	TONS	5,268	619,934
OIL	GALLONS	818,020	416,710

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		QUANTITY	VALUE
LAKE TROUT:			
FILLETS:			
FRESH	POUNDS	74,490	$63,947
FROZEN	DO	44,955	38,131
SMOKED	DO	162,050	128,358
LINGCOD FILLETS:			
FRESH	DO	1,200,846	253,825
FROZEN	DO	743,024	175,286
MACKEREL:			
ATLANTIC:			
FILLETS:			
FRESH	DO	10,000	2,600
FROZEN	DO	22,000	6,100
SALTED	DO	519,912	216,282
SMOKED	DO	77,500	47,625
JACK:			
CANNED:			
NATURAL	STANDARD CASES	858,886	4,951,958
IN TOMATO SAUCE	DO	135,450	1,276,501
DRIED	POUNDS	46,480	25,814
PACIFIC, CANNED:			
NATURAL	STANDARD CASES	337,550	1,996,605
IN TOMATO SAUCE	DO	46,467	303,585
MENHADEN:			
MEAL AND SCRAP	TONS	247,551	25,852,498
OIL	GALLONS	31,355,570	12,913,447
SOLUBLES	TONS	73,305	3,142,397
MULLET, SALTED:			
FISH	POUNDS	691,657	98,404
ROE	DO	19,800	14,810
OCEAN PERCH:			
ATLANTIC, FILLETS:			
FRESH	DO	432,635	111,090
FROZEN	DO	37,061,108	9,364,060
PACIFIC, FILLETS:			
FRESH	DO	1,879,824	404,047
FROZEN	DO	1,864,158	451,340
PADDLEFISH, SMOKED	DO	25,000	26,700
POLLOCK:			
FILLETS:			
FRESH	DO	1,671,014	349,804
FROZEN	DO	4,905,777	835,746
SALTED, WHOLE AND STRIPS	DO	6,960	2,286
SMOKED	DO	51,980	16,393
ROCKFISHES FILLETS:			
FRESH	DO	3,143,841	652,759
FROZEN	DO	917,808	206,518
SABLEFISH:			
SMOKED	DO	3,169,481	2,222,536
KIPPERED	DO	219,744	102,205
SALTED	DO	151,866	31,617
SALMON:			
FILLETS, FROZEN	DO	14,393	11,514
STEAKS, FRESH AND FROZEN	DO	1,138,874	808,724
CANNED:			
CHINOOK OR KING	STANDARD CASES	115,058	4,870,781
CHUM OR KETA	DO	614,229	15,084,741
PINK	DO	1,353,692	37,265,967
RED OR SOCKEYE	DO	1,441,673	53,704,560
SILVER OR COHO	DO	165,235	5,700,656
STEELHEAD	DO	6,839	327,862
TOTAL	DO	3,696,726	116,954,567
SMOKED AND KIPPERED	DO	774	73,731
CAVIAR	DO	4,568	297,075
EGGS FOR BAIT	DO	14,242	955,240
SALTED:			
MILD-CURED	POUNDS	5,575,784	5,154,645
PICKLED	DO	410,100	351,410
CAVIAR	DO	348,341	159,762
EGGS FOR FOOD AND BAIT	DO	464,820	111,364
SMOKED	DO	11,269,329	16,635,494
KIPPERED	DO	1,328,458	1,501,087
OIL (EDIBLE AND INDUSTRIAL)	GALLONS	19,570	24,493
SARDINES, PACIFIC:			
CANNED	STANDARD CASES	419,086	3,664,077
MEAL AND SCRAP	TONS	2,518	257,171
OIL	GALLONS	86,167	36,221

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		QUANTITY	VALUE
SAUGER FILLETS:			
FRESH	POUNDS	390,000	$304,775
FROZEN	DO	135,000	102,040
SHAD:			
CANNED:			
FISH	STANDARD CASES	2,900	32,276
ROE	DO	1,717	214,199
SMOKED	POUNDS	81,160	27,582
SMELTS, BREADED, FROZEN	DO	183,179	61,996
SNAPPER, RED:			
FILLETS:			
FRESH	DO	53,329	40,797
FROZEN	DO	271,176	204,573
STEAKS, FRESH AND FROZEN	DO	24,230	17,712
SPANISH MACKEREL FILLETS:			
FRESH	DO	36,800	13,396
FROZEN	DO	1,095,490	336,752
STURGEON:			
CANNED, SMOKED	STANDARD CASES	477	28,640
SMOKED	POUNDS	1,450,808	3,604,836
SWORDFISH STEAKS, FROZEN	DO	948,179	519,323
TUNA:			
FROZEN SPECIALTIES (LINKS, LOAF, PIE, AND WITH NOODLES)	DO	1,391,731	451,981
CANNED:			
ALBACORE	STANDARD CASES	3,891,431	52,506,274
LIGHT MEAT (INCLUDING TONNO)	DO	11,876,273	136,667,160
TOTAL	DO	15,767,704	189,173,434
SPECIALTIES (WITH NOODLES, CREAMED, SMOKED, AND WITH SHERRY)	DO	59,692	693,189
SMOKED	POUNDS	24,416	17,910
DRIED	DO	137,287	92,719
TUNALIKE (BONITO AND YELLOWTAIL), CANNED	STANDARD CASES	159,065	1,119,967
WHITE BASS FILLETS:			
FRESH	POUNDS	42,528	18,251
FROZEN	DO	5,514	2,633
WHITEFISH:			
FILLETS:			
FRESH	DO	373,799	301,775
FROZEN	DO	163,412	105,028
SMOKED	DO	3,274,168	2,707,361
CAVIAR, CANNED	STANDARD CASES	2,859	151,081
WHITING:			
FILLETS:			
FRESH	POUNDS	11,545	2,662
FROZEN	DO	3,285,860	627,491
SMOKED	DO	392,720	181,608
WOLFFISH FILLETS:			
FRESH	DO	33,510	10,870
FROZEN	DO	193,515	63,092
YELLOW PERCH FILLETS:			
FRESH	DO	2,314,182	1,070,379
FROZEN	DO	1,020,160	431,661
YELLOW PIKE FILLETS:			
FRESH	DO	645,950	499,568
FROZEN	DO	316,631	242,013
CRABS:			
BLUE, HARD (INCLUDES ROCK CRABS):			
FRESH AND FROZEN COOKED MEAT	DO	17,296,010	15,810,261
FROZEN SPECIALTIES:			
DEVILED	DO	5,154,814	4,879,777
BURGERS, CAKES, CUTLETS, LOAVES, ROLLS, AND STICKS	DO	1,740,096	2,362,976
OTHER (BREADED SOFT SHELL, AND WITH SAUCE)	DO	102,392	58,039
CANNED:			
REGULAR	STANDARD CASES	33,266	702,252
SPECIALTIES (DEVILED, DIP, SOUP, GUMBO, SPREAD AND SOFT SHELL)	DO	8,192	156,414
MEAL AND SCRAP	TONS	10,440	422,797
DUNGENESS:			
FRESH AND FROZEN COOKED MEAT	POUNDS	4,246,014	4,429,650
FROZEN SECTIONS	DO	55,800	16,730
CANNED:			
REGULAR	STANDARD CASES	54,710	1,508,429
SMOKED	DO	34	3,599
KING:			
FROZEN:			
COOKED MEAT	POUNDS	4,637,800	4,559,980
SECTIONS AND LEGS	DO	672,900	337,310

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		QUANTITY	VALUE
CRABS - CONTINUED:			
KING - CONTINUED:			
CANNED	STANDARD CASES	168,457	$5,016,030
TANNER MEAT, FROZEN	POUNDS	1,400	1,220
STONE CLAWS, COOKED (FROZEN)	DO	25,463	19,737
CRAWFISH BISQUE, FROZEN	DO	56,637	27,688
LOBSTERS:			
NORTHERN:			
FRESH AND FROZEN COOKED MEAT	DO	877,964	2,558,646
FROZEN SPECIALTIES (CAKES, DINNERS, IN SAUCE, PIE, STEW, AND BUTTERED)	DO	148,032	193,169
CANNED SPECIALTIES (MEAT, KNUCKLES, THERMIDOR, SPREAD, SOUPS AND STEW)	STANDARD CASES	7,881	221,639
SPINY, FRESH AND FROZEN, COOKED (WHOLE)	POUNDS	1,476,157	815,236
SHRIMP:			
FRESH AND FROZEN:			
HEADLESS IN SHELL (RAW)	DO	46,416,878	35,262,283
MEAT (INCLUDING DEVEINED):			
RAW	DO	17,235,806	18,302,871
COOKED	DO	2,592,492	4,021,283
BREADED, RAW AND COOKED	DO	73,794,754	55,088,722
SPECIALTIES (CAKES, COCKTAIL, DINNERS, STEAKS, STUFFED, STEWS, GUMBO, ETC.)	DO	5,743,016	4,412,786
CANNED:			
NATURAL	STANDARD CASES	618,938	11,741,826
SPECIALTIES (DIP, SOUPS, AND STEWS)	DO	6,014	120,049
SUN-DRIED	POUNDS	418,043	744,798
MEAL AND SCRAP	TONS	296	11,425
ABALONE STEAKS, FROZEN	POUNDS	488,372	657,703
CLAMS:			
SHUCKED, FRESH AND FROZEN:			
HARD (INCLUDING SURF, PISMO, AND OCEAN QUAHOG)	GALLONS	1,967,245	4,438,932
RAZOR	DO	11,844	80,612
SOFT	DO	604,867	3,422,916
FROZEN SPECIALTIES (IN TOMATO SAUCE, DEVILED, CAKES, STUFFED, CHOWDER, AND BREADED)	POUNDS	2,073,729	1,845,876
CANNED:			
WHOLE AND MINCED:			
HARD, SOFT, AND SURF	STANDARD CASES	438,517	5,255,584
RAZOR (INCLUDES COCKLES IN ALASKA)	DO	21,975	471,435
CHOWDER AND JUICE (HARD, SOFT, AND SURF)	DO	1,443,795	10,097,365
SPECIALTIES (DIP, FRITTERS, SPREAD, IN SHELL, SAUCE, SOUPS, AND STEWS)	DO	49,162	695,994
CONCH MEAT, CANNED	DO	5,675	142,140
MUSSEL SHELL BUTTONS	GROSS	591,767	702,296
OYSTERS:			
EASTERN:			
SHUCKED, FRESH AND FROZEN	GALLONS	3,743,136	27,801,808
STEAMED (INTERMEDIATE PREPARATION)	POUNDS	555,200	1,232,500
FROZEN:			
BREADED	DO	2,256,089	2,370,908
SPECIALTIES (BURGERS, PIE, STICKS, STUFFED, AND STEW)	DO	1,055,283	449,290
CANNED:			
REGULAR PACK	STANDARD CASES	379,070	4,767,307
SPECIALTIES (BISQUE, STEW AND SOUP)	DO	14,922	274,239
SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY GRIT	TONS	363,485	5,454,453
LIME, BURNED AND UNBURNED	DO	54,987	602,278
PACIFIC:			
SHUCKED, FRESH AND FROZEN	GALLONS	1,013,855	4,057,572
CANNED:			
REGULAR PACK	STANDARD CASES	66,615	1,009,057
SMOKED	DO	926	98,834
SOUP AND STEW	DO	125,526	1,703,650
SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY GRIT	TONS	22,678	270,639
LIME, UNBURNED	DO	1,685	14,494
WESTERN, SHUCKED, FRESH	GALLONS	4,276	125,415
SCALLOPS:			
BAY (INCLUDES CALICO), SHUCKED, FRESH AND FROZEN	DO	183,440	1,326,596
SEA, BREADED (RAW AND COOKED)	POUNDS	11,363,192	7,543,273
SPECIALTIES, FROZEN (DINNERS, AND IN SAUCE)	DO	2,240,236	1,623,066
SQUID, CANNED	STANDARD CASES	114,800	567,114
TERRAPIN AND TURTLE (MEAT, SOUP, AND CHOWDER)	DO	26,928	390,729

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		QUANTITY	VALUE
WHALE:			
MEAT, FROZEN (FOR ANIMAL FOOD)	POUNDS	5,009,611	$400,905
MEAL	TONS	1,658	203,096
OIL:			
SPERM	GALLONS	92,818	63,116
OTHER	DO	369,896	179,223
SOLUBLES	TONS	14	552
UNCLASSIFIED PRODUCTS:			
PACKAGED, FRESH AND FROZEN:			
FISH:			
FILLETS AND STEAKS, RAW (NOT BREADED) 1/	POUNDS	877,506	396,208
STICKS, BREADED:			
RAW	DO	4,817,772	1,778,909
COOKED	DO	65,006,119	28,320,691
FILLETS, PAN-DRESSED, PIECES, PORTIONS, BREADED (RAW AND COOKED)	DO	63,263,556	23,697,809
PORTIONS, STEAKS, SQUARES, RAW (NOT BREADED)	DO	2,321,694	1,085,856
FISH AND SHELLFISH SPECIALTIES 2/	DO	12,910,365	8,288,907
CANNED:			
FISH:			
CAKES (PRINCIPALLY GROUNDFISH)	STANDARD CASES	88,426	1,204,619
GEFILTEFISH	DO	276,524	4,981,500
OTHER 3/	DO	80,947	1,986,963
ANIMAL FOOD	DO	6,944,775	39,072,156
SHELLFISH MISCELLANEOUS 4/	DO	3,288	69,516
CURED FISH AND SHELLFISH:			
SALTED 5/	POUNDS	190,028	33,480
SMOKED 6/	DO	131,330	92,874
DRIED 7/	DO	18,340	11,556
MEAL AND SCRAP:			
FUR SEAL	TONS	312	24,130
TUNA AND MACKEREL	DO	21,243	2,056,426
OTHER 8/	DO	21,979	2,492,359
OIL:			
BODY:			
FUR SEAL	GALLONS	52,458	14,819
TUNA AND MACKEREL	DO	762,509	278,160
UNCLASSIFIED 9/	DO	839,747	387,718
LIVER AND VISCERA OIL	DO	6,880	54,546
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	TONS	38,936	2,325,694
MARINE PEARL SHELL BUTTONS	GROSS	1,250,400	2,317,503
OTHER 10/	-	-	13,425,946
GRAND TOTAL	-	-	876,659,416

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, MULLET, PIKE OR PICKEREL, POMPANO, SABLEFISH, SCUP, SEA BASS, GRAY AND SPOTTED SEA TROUT, SHAD, STRIPED BASS, WARSAW, WHITE PERCH, AND UNCLASSIFIED SPECIES.

2/ INCLUDES FROZEN FISH CAKES, FISH DINNERS, FISH AND CHIPS, STUFFED FISH, FISH WITH SAUCES, FISH BURGERS, BUTTERED COD AND HADDOCK STEAKS, BREADED ABALONE STEAKS AND PATTIES, CONCH MEAT NATURAL AND IN TOMATO SAUCE, MUSSELS IN SAUCE, SQUID NATURAL AND IN TOMATO SAUCE, BREADED PACIFIC OYSTERS, SHELLFISH DINNERS AND SHELLFISH SOUPS.

3/ INCLUDES CANNED SALTED COD, CREAMED HADDOCK, SMOKED HALIBUT, PACIFIC HERRING, KING MACKEREL PASTE, SALTED SALMON LIVERS, SALMON SPREAD, SARDINE COCKTAILS, SARDINE SPREAD, SMOKED SHAD, WAHOO, WHITEFISH, LUMPFISH AND STURGEON CAVIAR, UNCLASSIFIED FISH IN APPETIZERS, CHOWDER, FLAKES, GROUNDFISH ROE AND SPREAD.

4/ INCLUDES CANNED CONCH CHOWDER, CRAWFISH BISQUE, MUSSELS, SCALLOPS IN SAUCE, AND UNCLASSIFIED SHELLFISH IN SOUPS AND STEWS.

5/ INCLUDES SALTED CUSK, PACIFIC MACKEREL, PACIFIC SARDINES, SPOT, AND SEA HERRING EGGS.

6/ INCLUDES SMOKED BARRACUDA, BONITO, BUFFALOFISH, DOLLY VARDEN TROUT, FLOUNDERS, KING WHITING, LINGCOD, JACK MACKEREL, MARLIN, MULLET SPREAD, TULLIBEE, WAHOO, AND UNCLASSIFIED FISH.

7/ INCLUDES DRIED TROUT AND POLLOCK.

8/ INCLUDES MEAL AND DRY SCRAP FROM ALEWIVES, ANCHOVIES, GROUNDFISH, OCEAN PERCH, SALMON, THREAD HERRING, CRABS, AND HORSESHOE CRABS.

9/ INCLUDES BODY OIL FROM ANCHOVIES, HALIBUT, OCEAN PERCH, THREAD HERRING, AND UNCLASSIFIED FISH.

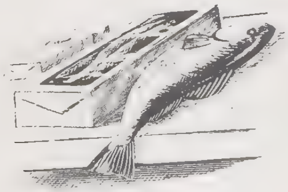
10/ INCLUDES AGAR-AGAR; FISH FEED PELLETS AND ANIMAL FEEDS; GLUE; IRISH MOSS EXTRACT; KELP PRODUCTS; LIQUID FERTILIZER; FRESH-WATER MUSSEL SHELL LIME, DUST, AND CHIPS; PEARL ESSENCE; AND CRAB SHELLS FOR DEVILED CRABS.

NOTE:--SOME OF THE ABOVE ITEMS HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM FOREIGN COUNTRIES; THEREFORE, THE PRODUCTION CANNOT BE CORRELATED DIRECTLY WITH THE CATCH. CERTAIN ITEMS, SUCH AS PICKLED ALEWIVES, MILD CURED SALMON, STEAMED OYSTERS AND CLAMS, AND PACKAGED FROZEN SHRIMP, ETC., ARE SHOWN IN AN INTERMEDIATE AND ALSO IN A MORE ADVANCED STAGE OF PROCESSING. THE LIME AND POULTRY FEED MANUFACTURED FROM SHELL PRODUCTS WERE PRODUCED FROM LIVE AND REEF MOLLUSK SHELLS THAT ARE NOT INCLUDED IN THE CATCH STATISTICS.

SUMMARY OF MANUFACTURED FISHERY PRODUCTS, 1961

(THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
PACKAGED PRODUCTS, FRESH AND FROZEN:			
FISH:			
NOT BREADED:			
FILLETS AND STEAKS, RAW.	1,000 POUNDS	158,112	$51,764
OTHER (INCLUDES WHALE MEAT FOR ANIMAL FEEDING).	DO	7,472	1,533
BREADED, RAW AND COOKED:			
STICKS	DO	69,824	30,100
FILLETS, PORTIONS, PAN DRESSED, ETC. . . .	DO	63,586	23,823
SHELLFISH:			
NOT BREADED.	DO	162,518	129,359
BREADED.	DO	88,678	66,393
SPECIALTIES:			
FISH	DO	11,413	5,441
SHELLFISH.	DO	21,420	18,445
TOTAL FRESH AND FROZEN	DO	583,023	326,858
CANNED FISH AND SHELLFISH:			
FISH, SHELLFISH, ETC., FOR HUMAN CONSUMPTION .	DO	708,706	382,809
SALMON EGGS FOR BAIT	DO	684	955
ANIMAL FOOD.	DO	333,349	39,072
TOTAL BAIT AND ANIMAL FOOD	DO	334,033	40,027
TOTAL CANNED	DO	1,042,739	422,836
CURED FISH AND SHELLFISH:			
SALTED AND PICKLED	DO	39,612	17,687
SMOKED	DO	33,044	33,551
LUTEFISK (FROM DRIED COD).	DO	1,177	283
DRIED MACKEREL, POLLOCK, TROUT, TUNA, AND SHRIMP.	DO	620	875
TOTAL CURED.	DO	74,453	52,396
INDUSTRIAL PRODUCTS:			
MEAL AND SCRAP (2,000 POUNDS PER TON).	DO	622,530	31,940
OIL, BODY AND LIVER (7.5 POUNDS PER GALLON). .	DO	258,118	14,373
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH .	DO	224,508	5,468
OYSTER SHELL LIME AND POULTRY GRIT	DO	885,670	6,342
MARINE PEARL SHELL AND MUSSEL SHELL BUTTONS. .	1,000 GROSS	1,842	3,020
OTHER (AGAR-AGAR; FISH FEED PELLETS; ANIMAL FEEDS; GLUE; IRISH MOSS; EXTRACT; KELP PRODUCTS; LIQUID FERTILIZER; MUSSEL SHELL LIME, DUST, AND CHIPS; PEARL ESSENCE; AND CRAB SHELLS).	-	-	13,426
TOTAL INDUSTRIAL PRODUCTS.	-	-	74,569
GRAND TOTAL.	-	-	876,659



GENERAL REVIEW

CANNED FISHERY PRODUCTS

The 1961 pack of canned fishery products by 366 plants in the United States, American Samoa, and Puerto Rico amounted to 33 million standard cases (1 billion pounds) valued at $423 million to the packers. Compared with 1960, production was down 1.5 million cases (46 million pounds). However, the value was $35 million above that of the previous year. Increased production of high-value salmon, tuna, mackerel, crab meat, and clam products was responsible for the gain in value. The pack for human consumption was 42 million pounds above that of 1960, while the pack for bait and animal food was down 88 million pounds. The increase in the production for human food resulted from larger packs of salmon, tuna, and mackerel. The reduced pack of animal food shown in the tabulations is largely the result of a change in the classification of this item. Animal food containing less than 10 pounds of fish per standard case of 48 pounds has been excluded from the tabulations. The pack containing less than 10 pounds per case amounted to 2,473,272 standard cases in 1961. The value of two items--canned salmon and tuna--accounted for 72 percent of the total revenue received by producers of canned fishery products.

Tuna:--The pack of tuna totaled a record 15.8 million cases valued at a new high of $189 million. Compared with 1960, this was an increase of 462,000 cases and $16 million. The United States catch of tuna (334 million pounds) was 36 million pounds greater than in 1960 and the largest since 1950. Imports were less than in the 2 previous years. Of the total United States pack, 56 percent was canned from the domestic catch, 7 percent more than in 1960.

Salmon:--The 1961 pack of salmon amounted to 3.7 million cases valued at $117 million. Compared with 1960, production was up 862,000 cases (30 percent) and the value, $28.8 million (33 percent). Most of the increase occurred in Alaska. The catch of red salmon in Western Alaska and pink salmon in Southeastern Alaska was above the previous 10-year average. The Puget Sound catch was disappointing due to poor runs of red and pink salmon to the Fraser River.

Mackerel:--The 1961 pack of mackerel (1.4 million cases valued at $8.5 million) was the largest since 1952. Compared with 1960, this was an increase of 444,000 cases and $2.7 million. Jack mackerel accounted for 72 percent of the pack. The supply of mackerel was plentiful, and canners set catch quotas during virtually the entire season.

Sardines:--The 1961 pack of Pacific sardines (419,000 cases valued at $3.7 million) was the fourth smallest since World War I. Compared with 1960, the pack was down 197,000 cases or 32 percent and $995,000 or 21 percent. Sardines failed to appear in volume off southern California. Fishermen reported the fish to be wild, making it impossible to take large catches on single sets.

In Maine, the industry was staggered by the shortest pack (754,000 cases valued at $7.6 million) in 23 years. Compared with 1960, production was down 62 percent in volume and 55 percent in value. There was no clear-cut explanation for the shortage of fish in inshore areas. There were indications of plentiful supplies of fish offshore throughout the season. As a result of scarce supply, the Maine State Legislature extended the season an additional 5-1/2 months.

Oysters:--The 1961 oyster pack totaled 446,000 cases valued at $5.8 million. Compared with 1960, this was an improvement of 35,000 cases in volume and $136,000 in value. The 1961 production of oyster specialties (smoked, stew, bisque, and soup) amounted to 141,000 cases compared with 126,000 cases in 1960.

Crabs:--A record pack of 256,000 cases of crab meat valued at $7.2 million was canned in 1961. Compared with 1960, this was an increase of 45,000 cases and $1.8 million. The pack of blue crabs along the Atlantic and Gulf Coasts was down 39 percent. However, in Alaska, the pack of king crabs increased from 100,000 cases in 1960 to 153,000 cases in 1961. Total production of canned Dungeness and king crabs on the Pacific Coast was 42 percent greater than in 1960.

Shrimp:--The 1961 pack of shrimp amounted to 619,000 cases valued at $12 million. Compared with 1960, production was down 35 percent in volume and 32 percent in value. The pack in the Gulf States was down 392,000 cases due to a 35-percent decrease in the South Atlantic and Gulf shrimp catch. On the Pacific Coast, the pack increased by 60,000 cases due to a 120-percent increase in the Alaska pack.

Animal food:--The 1961 pack of animal food containing 10 pounds or more of raw fish per standard case (48 one pound cans) amounted to 6.9 million cases valued at $39 million. A pack containing less than 10 pounds of fish per case, amounting to 2.5 million cases, valued at $9.1 million, was also canned.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1961

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON	111	3,696,726	48	177,442,848	$116,954,567
SARDINES:					
MAINE	31	753,647	23.4	17,635,340	7,559,619
PACIFIC	15	419,086	45	18,858,870	3,664,077
TUNA:					
SOLID	30	3,669,760	21	77,064,960	53,253,155
CHUNKS	25	10,522,570	19.5	205,190,115	123,947,982
FLAKES AND GRATED	24	1,575,374	18	28,356,732	11,972,297
TOTAL	1/ 32	15,767,704	-	310,611,807	189,173,434
TUNALIKE FISHES	8	159,065	21-19.5-18	3,023,208	1,119,967
ALEWIVES	8	52,339	45	2,355,255	240,828
MACKEREL	14	1,378,353	45	62,025,885	8,528,649
SHAD	7	2,900	45	130,500	32,276
FISH CAKES (PRINCIPALLY GROUNDFISH)	5	88,426	48	4,244,448	1,204,619
GEFILTEFISH	5	276,524	48	13,273,152	4,981,500
SALMON AND STEELHEAD TROUT, SMOKED	18	774	48	37,152	73,731
STURGEON, SMOKED	9	477	48	22,896	28,640
TUNA SPECIALTIES	6	59,692	48	2,865,216	693,189
ANCHOVIES	4	73,108	31.25	2,284,625	409,276
ANCHOVY PASTE	4	1,561	48	74,928	109,970
MISCELLANEOUS FISH SPECIALTIES	15	72,362	48	3,473,376	1,077,814
FISH ROE AND CAVIAR	25	45,020	48	2,160,960	1,943,640
TOTAL FISH	-	22,847,764	-	620,520,466	337,795,796
CRAB MEAT	43	256,433	19.5	5,000,444	7,226,711
CRAB MEAT SPECIALTIES	11	8,226	48	394,848	160,013
LOBSTER MEAT SPECIALTIES	7	7,881	48	378,288	221,639
SHRIMP	44	618,938	15	2/9,284,070	11,741,826
SHRIMP SPECIALTIES	9	6,014	48	288,672	120,049
CLAMS AND PRODUCTS:					
WHOLE	11	14,553	15	3/218,295	224,518
MINCED	23	445,939	15	3/6,689,085	5,502,501
CHOWDER	16	1,346,912	30	3/40,407,360	9,552,672
JUICE	11	96,883	30	3/2,906,490	544,693
TOTAL	1/ 41	1,904,287	-	3/50,221,230	15,824,384
CLAM SPECIALTIES	8	49,162	48	2,359,776	695,994
CONCH MEAT	3	5,675	48	272,400	142,140
OYSTERS	32	445,685	14	2/6,239,590	5,776,364
OYSTER SPECIALTIES:					
SMOKED	6	926	48	44,448	98,834
STEW	8	138,875	48	6,666,000	1,955,141
BISQUE AND SOUP	6	1,573	48	75,504	22,748
SQUID	10	114,800	48	5,510,400	567,114
TURTLE SPECIALTIES (MEAT, CHOWDER, SOUP, AND STEW)	10	26,928	48	1,292,544	390,729
MISCELLANEOUS SHELLFISH SPECIALTIES	9	3,288	48	157,824	69,516
TOTAL	-	3,588,691	-	88,186,038	45,013,202
TOTAL FOR HUMAN CONSUMPTION	-	26,436,455	-	708,706,504	382,808,998
BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	49	6,944,775	48	333,349,200	39,072,156
SALMON EGGS FOR BAIT	10	14,242	48	683,616	955,240
TOTAL BAIT AND ANIMAL FOOD	1/ 59	6,959,017	-	334,032,816	40,027,396
GRAND TOTAL	1/366	33,395,472	-	1,042,739,320	422,836,394

1/ EXCLUSIVE OF DUPLICATION.

2/ DRAINED WEIGHT.

3/ "CUT OUT" OR "DRAINED" WEIGHTS OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CAN CONTENTS FOR OTHER CLAM PRODUCTS.

NOTE:--LISTS OF CANNERS OF FISHERY PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE OFFICE OF INFORMATION, U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

SUMMARY OF PRODUCTION, BY STATES, 1961

STATE	CANNED FISHERY PRODUCTS	
	POUNDS	VALUE
MAINE	77,094,878	$17,784,480
MASSACHUSETTS, RHODE ISLAND, AND CONNECTICUT	35,095,998	4,324,564
NEW YORK	10,771,224	4,160,340
NEW JERSEY	34,630,218	12,218,757
DELAWARE AND PENNSYLVANIA	12,768,408	3,433,566
MARYLAND, AMERICAN SAMOA, HAWAII, AND PUERTO RICO	91,245,055	50,450,208
VIRGINIA	6,091,050	771,416
NORTH CAROLINA AND SOUTH CAROLINA	1,998,763	1,335,361
FLORIDA, ALABAMA, AND TEXAS	840,283	1,075,940
MISSISSIPPI	134,033,327	16,960,129
LOUISIANA	8,672,610	9,692,438
MICHIGAN, OHIO, AND WISCONSIN	1,879,200	430,865
ALASKA	159,484,821	105,410,680
WASHINGTON	38,925,160	23,984,962
OREGON	31,512,810	17,933,601
CALIFORNIA	397,695,515	152,869,087
TOTAL	1,042,739,320	422,836,394

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCT	PRIOR TO 1939	1939 AND 1940	1941	1942	1943
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	25	25	25	20.3	20.3
PACIFIC	48	48	48	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	24	24	21	22.5	22.5
CHUNKS	-	-	-	-	-
FLAKES	24	24	21	18	18
MACKEREL	48	48	48	45	45
ALEWIVES	48	48	48	48	45
ANCHOVIES	48	48	48	48	48
SHAD	48	48	48	48	48
FISH FLAKES	48	48	48	48	48
OYSTERS	15	15	15	15	22.5
SHRIMP:					
WET PACK	17.25	17.25	17.25	21	21
DRY PACK	15	15	15	19.5	19.5
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	48	39	39	39	39
ALL OTHERS	48	48	48	48	48

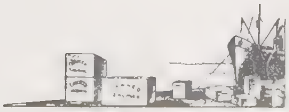
PRODUCT	1944 TO 1947	1948 TO 1951	1952	1953 TO 1957	1958 TO 1961
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	20.3	20.3	23.4
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	21	21	21	21
CHUNKS	(1)	(1)	19.5	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	48	48	31.25	31.25
SHAD	45	45	45	45	45
FISH FLAKES	42	42	42	48	48
OYSTERS	22.5	14	14	14	14
SHRIMP:					
WET PACK	21	15	15	15	15
DRY PACK	-	-	15	15	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	39	19.5	19.5	19.5	19.5
ALL OTHERS	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.

NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING THE STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS DATA PUBLISHED IN THE DIGESTS FOR THE YEARS INDICATED.

PLANTS PRODUCING CANNED FISHERY PRODUCTS, 1961

AREA AND STATE	NUMBER OF PLANTS
NEW ENGLAND:	
MAINE	41
MASSACHUSETTS	7
RHODE ISLAND	1
CONNECTICUT	1
TOTAL	50
MIDDLE ATLANTIC:	
NEW YORK	9
NEW JERSEY	14
PENNSYLVANIA	7
DELAWARE	1
TOTAL	31
CHESAPEAKE BAY:	
MARYLAND	4
VIRGINIA	9
TOTAL	13
SOUTH ATLANTIC AND GULF:	
NORTH CAROLINA	6
SOUTH CAROLINA	3
FLORIDA	2
ALABAMA	1
MISSISSIPPI	15
LOUISIANA	28
TEXAS	4
TOTAL	59
GREAT LAKES AND MISSISSIPPI RIVER:	
MICHIGAN	2
OHIO	1
WISCONSIN	1
TOTAL	4
PACIFIC COAST:	
ALASKA	91
WASHINGTON	68
OREGON	17
CALIFORNIA	29
TOTAL	205
HAWAII	1
AMERICAN SAMOA	1
PUERTO RICO	2
GRAND TOTAL	366



PACK OF SALMON, BY STATES, 1961

(STANDARD CASES)

SPECIES AND CAN SIZE	ALASKA		WASHINGTON		OREGON		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1 POUND TALL.	15,769	$463,930	1,788	$53,654	1/1,903	1/$103,217	19,460	$620,801
1/2 POUND FLAT. . . .	37,764	1,468,670	9,186	363,247	2/40,520	2/1,946,208	87,470	3,778,125
1/4 POUND FLAT. . . .	1	50	952	51,898	6,188	387,521	7,141	439,469
4 POUND TALL.	150	4,500	837	27,886	-	-	987	32,386
TOTAL.	53,684	1,937,150	12,763	496,685	48,611	2,436,946	115,058	4,870,781
CHUM OR KETA:								
1 POUND TALL.	452,603	10,980,010	67,591	1,653,632	987	25,662	521,181	12,659,304
1/2 POUND FLAT. . . .	41,652	1,122,570	10,437	293,809	727	20,412	52,816	1,436,791
1/4 POUND FLAT. . . .	-	-	30	960	-	-	30	960
4 POUND TALL.	29,313	726,210	10,889	261,476	-	-	40,202	987,686
TOTAL.	523,568	12,828,790	88,947	2,209,877	1,714	46,074	614,229	15,084,741
PINK:								
1 POUND TALL.	1,137,970	30,877,930	16,321	441,128	-	-	1,154,291	31,319,058
1/2 POUND FLAT. . . .	73,010	2,223,080	53,012	1,634,542	140	4,500	126,162	3,862,122
1/4 POUND FLAT. . . .	-	-	1,640	65,453	1,011	38,408	2,651	103,861
4 POUND TALL.	46,319	1,322,480	24,269	658,446	-	-	70,588	1,980,926
TOTAL.	1,257,299	34,423,490	95,242	2,799,569	1,151	42,908	1,353,692	37,265,967
RED OR SOCKEYE:								
1 POUND TALL.	1,012,859	34,270,010	4,258	146,974	-	-	1,017,117	34,416,984
1/2 POUND FLAT. . . .	270,961	11,800,930	83,760	3,968,928	1,718	90,759	356,439	15,860,617
1/4 POUND FLAT. . . .	5,949	311,720	38,778	2,261,383	2,303	146,633	47,030	2,719,736
4 POUND TALL.	5,776	178,800	15,311	528,423	-	-	21,087	707,223
TOTAL.	1,295,545	46,561,460	142,107	6,905,708	4,021	237,392	1,441,673	53,704,560
SILVER OR COHO:								
1 POUND TALL.	59,635	1,777,350	7,759	230,279	275	8,673	67,669	2,016,302
1/2 POUND FLAT. . . .	14,154	502,960	23,948	838,075	8,409	333,263	46,511	1,674,298
1/4 POUND FLAT. . . .	665	27,010	7,468	360,372	12,829	652,650	20,962	1,040,032
4 POUND TALL.	7,412	238,440	22,681	731,584	-	-	30,093	970,024
TOTAL.	81,866	2,545,760	61,856	2,160,310	21,513	994,586	165,235	5,700,656
STEELHEAD:								
1/2 POUND FLAT. . . .	-	-	206	8,240	1,660	72,215	1,866	80,455
1/4 POUND FLAT. . . .	-	-	-	-	4,973	247,407	4,973	247,407
TOTAL.	-	-	206	8,240	6,633	319,622	6,839	327,862
GRAND TOTAL. . . .	3,211,962	98,296,650	401,121	14,580,389	83,643	4,077,528	3,696,726	116,954,567

1/ INCLUDES A SMALL QUANTITY IN OVAL CANS.

2/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES. SALMON WERE CANNED IN 32 PLANTS IN WASHINGTON, 9 IN OREGON, 1 IN CALIFORNIA, AND 69 IN ALASKA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE OF MISCELLANEOUS CANNED PRODUCTS.

ALASKA PACK OF SALMON, BY DISTRICTS, 1961

(STANDARD CASES)

SPECIES AND CAN SIZE	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1 POUND TALL.	401	$11,870	3,318	$97,860	12,050	$354,200	15,769	$463,930
1/2 POUND FLAT. . . .	62	1,950	13,967	552,310	23,735	914,410	37,764	1,468,670
1/4 POUND FLAT. . . .	-	-	1	50	-	-	1	50
4 POUND TALL.	-	-	-	-	150	4,500	150	4,500
TOTAL.	463	13,820	17,286	650,220	35,935	1,273,110	53,684	1,937,150
CHUM OR KETA:								
1 POUND TALL.	239,548	5,819,410	165,402	4,023,560	47,653	1,137,040	452,603	10,980,010
1/2 POUND FLAT. . . .	12,333	341,270	21,507	575,020	7,812	206,280	41,652	1,122,570
4 POUND TALL.	26,691	660,530	2,485	62,120	137	3,560	29,313	726,210
TOTAL	278,572	6,821,210	189,394	4,660,700	55,602	1,346,880	523,568	12,828,790
PINK:								
1 POUND TALL.	749,779	20,427,940	387,701	10,440,190	490	9,800	1,137,970	30,877,930
1/2 POUND FLAT. . . .	43,558	1,332,560	29,452	890,520	-	-	73,010	2,223,080
4 POUND TALL.	38,239	1,096,240	8,080	226,240	-	-	46,319	1,322,480
TOTAL.	831,576	22,856,740	425,233	11,556,950	490	9,800	1,257,299	34,423,490
RED OR SOCKEYE:								
1 POUND TALL.	44,323	1,525,410	141,475	4,791,320	827,061	27,953,280	1,012,859	34,270,010
1/2 POUND FLAT. . . .	17,849	758,510	128,529	5,755,570	124,583	5,286,850	270,961	11,800,930
1/4 POUND FLAT. . . .	621	27,500	5,328	284,220	-	-	5,949	311,720
4 POUND TALL.	3,339	103,280	3	70	2,434	75,450	5,776	176,800
TOTAL.	66,132	2,414,700	275,335	10,831,180	954,078	33,315,580	1,295,545	46,561,460
SILVER OR COHO:								
1 POUND TALL.	31,491	952,710	27,914	817,660	230	6,980	59,635	1,777,350
1/2 POUND FLAT. . . .	8,260	298,480	4,006	141,930	1,888	62,550	14,154	502,960
1/4 POUND FLAT. . . .	665	27,010	-	-	-	-	665	27,010
4 POUND TALL.	6,893	221,820	501	16,030	18	590	7,412	238,440
TOTAL.	47,309	1,500,020	32,421	975,620	2,136	70,120	81,866	2,545,760
GRAND TOTAL. . . .	1,224,052	33,606,490	939,669	28,674,670	1,048,241	36,015,490	3,211,962	98,296,650

SEE NOTE ON PAGE 40.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1961

(STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING. . .	4,633	$159,030	56,351	$2,754,543	1/ 390	$20,058	61,374	$2,933,631
CHUM OR KETA	87,032	2,163,126	2,527	65,992	1,102	26,833	90,661	2,255,951
PINK	95,242	2,799,569	1,148	42,792	3	116	96,393	2,842,477
RED OR SOCKEYE . . .	140,478	6,825,683	4,463	259,724	1,187	57,693	146,128	7,143,100
SILVER OR COHO . . .	58,515	2,025,500	24,723	1,124,473	131	4,923	83,369	3,154,896
STEELHEAD.	-	-	6,839	327,862	-	-	6,839	327,862
TOTAL	385,900	13,972,908	96,051	4,575,386	2,813	109,623	484,764	18,657,917

1/ INCLUDES A SMALL QUANTITY PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1961

(STANDARD CASES)

SPECIES	PUGET SOUND FISH	CANADIAN FISH	ALASKAN FISH	TOTAL FISH
	CASES	CASES	CASES	CASES
CHINOOK OR KING.	2,488	343	1,802	4,633
CHUM OR KETA	18,192	33,413	35,427	87,032
PINK	66,926	-	28,316	95,242
RED OR SOCKEYE	117,647	-	22,831	140,478
SILVER OR COHO	47,291	2,565	8,659	58,515
TOTAL	252,544	36,321	97,035	385,900

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PACK OF MAINE SARDINES, 1961 1/

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
IN SOYBEAN OIL	631,542	$6,599,799	3-3/4 OUNCES NET (100 CANS). .	675,589	$7,083,778
IN MUSTARD SAUCE . . .	55,916	526,925	12 OUNCES NET (48 CANS). . . .	1,987	23,999
IN TOMATO SAUCE. . . .	57,246	346,870	15 OUNCES NET (48 CANS). . . .	32,257	347,620
OTHER 2/	8,943	86,025	OTHER SIZES (CONVERTED TO 3-3/4 OUNCES NET - 100 CANS).	12,969	104,222
TOTAL	753,647	7,559,619	TOTAL	722,802	7,559,619

1/ INCLUDES SEA HERRING.

2/ INCLUDES SMALL QUANTITIES PACKED NATURAL, AND IN OLIVE OIL, PEANUT OIL, SMOKED IN SOY OIL, AND WITH CHILI PEPPERS.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-3/4 OUNCES NET) TO THE CASE. SARDINES WERE CANNED IN 31 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES, 1961

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
IN TOMATO SAUCE. . . .	[illegible]	$2,265,089	1 POUND CAN:		
IN MUSTARD SAUCE . . .	42,611	391,438	15 OUNCES NET, OVAL (48 CANS)	281,046	$2,585,970
WITHOUT SAUCE.	116,619	760,423	15 OUNCES NET, TALL (48 CANS)	116,739	761,323
OTHER (IN TOMATO SAUCE WITH OLIVE OIL, FILLETS IN BARBEQUE SAUCE, AND FILLETS WITHOUT SAUCE). . . .	13,710	[illegible]	OTHER SIZES (CONVERTED TO STANDARD CASES).	21,301	316,784
TOTAL	419,086	3,664,077	TOTAL.	419,086	3,664,077

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 15 OUNCES NET WEIGHT. SARDINES WERE CANNED IN 15 PLANTS IN CALIFORNIA.

PACK OF TUNA, 1961

(STANDARD CASES)

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC COAST, HAWAII, AND TERRITORIES		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALBACORE:								
SOLID PACK. . . .	1,141,636	$16,006,577	616,375	$9,269,356	816,999	$12,614,534	2,575,010	$37,890,467
CHUNKS.	266,810	3,369,078	89,290	1,121,412	488,414	6,415,694	844,514	10,906,184
FLAKES AND GRATED	210,625	1,652,619	91,596	674,174	169,686	1,382,830	471,907	3,709,623
TOTAL.	1,619,071	21,028,274	797,261	11,064,942	1,475,099	20,413,058	3,891,431	52,506,274
LIGHT MEAT:								
SOLID PACK. . . .	753,621	10,782,426	6,208	85,872	1/163,183	1/2,197,395	923,012	13,065,693
CHUNKS.	7,208,803	85,157,420	441,379	4,577,482	2,027,874	23,306,896	9,678,056	113,041,798
FLAKES AND GRATED	792,335	5,999,701	16,818	125,618	294,314	2,137,355	1,103,467	8,262,674
TOTAL.	8,754,759	101,939,547	464,405	4,788,972	2,485,371	27,641,646	11,704,535	134,370,165
UNCLASSIFIED, TONNO, SOLID PACK.	171,738	2,296,995	-	-	(1)	(1)	171,738	2,296,995
GRAND TOTAL. .	10,545,568	125,264,816	1,261,666	15,853,914	3,960,470	48,054,704	15,767,704	189,173,434

1/ THE PACK OF TONNO IS INCLUDED WITH THE SOLID PACK OF LIGHT MEAT TUNA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6-1/2 OUNCES NET WEIGHT OF CHUNKS, AND 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. DIETETIC AND BABY FOOD TUNA PACKS ARE INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 13 PLANTS IN CALIFORNIA, 7 PLANTS IN OREGON, 5 PLANTS IN WASHINGTON, 2 PLANTS IN PUERTO RICO, AND 1 PLANT EACH IN MAINE, PENNSYLVANIA, MARYLAND, AMERICAN SAMOA, AND HAWAII. DATA ON THE PACK OF TUNA AND NOODLES AND OTHER TUNA SPECIALTIES CAN BE FOUND IN THE TABLE OF MISCELLANEOUS CANNED FISHERY PRODUCTS.

PACK OF TUNA, BY CAN SIZES, 1961

CAN AND CASE SIZE	ACTUAL CASES	VALUE
4 POUND. (12 CANS) . . .	66,021	$1,788,610
1 POUND. (48 CANS) . . .	341,844	7,801,945
1/2 POUND. . . . . (48 CANS) . . .	13,415,472	158,633,529
1/4 POUND. . . . . (48 CANS) . . .	985,323	8,390,167
4 OUNCES . . . . (100 CANS). . .	70,227	1,041,058
9-1/4 OUNCES . . . . (24 CANS) . . .	1,217,063	10,827,801
OTHER SIZES (CONVERTED TO STANDARD CASES).	94,296	690,324
TOTAL.	16,190,246	189,173,434

PACK OF TUNALIKE FISHES, 1961

SPECIES	STANDARD CASES	VALUE
BONITO AND YELLOWTAIL:		
SOLID PACK AND CHUNKS.	103,718	$741,348
FLAKES	55,347	378,619
TOTAL.	159,065	1,119,967

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6 TO 6-1/2 OUNCES NET WEIGHT OF CHUNKS, AND 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. TUNALIKE FISHES WERE CANNED IN 7 PLANTS IN CALIFORNIA AND 1 PLANT IN PUERTO RICO.

PACK OF ALEWIVES, 1961

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MARYLAND (1), NORTH CAROLINA (2).	7,345	$35,721
VIRGINIA (5).	44,994	205,107
TOTAL (8).	52,339	240,828

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF MACKEREL, 1961

ITEM	STANDARD CASES	VALUE
JACK MACKEREL:		
NATURAL	858,886	$4,951,958
IN TOMATO SAUCE	135,450	1,276,501
TOTAL.	994,336	6,228,459
PACIFIC MACKEREL:		
NATURAL	337,550	1,996,605
IN TOMATO SAUCE	46,467	303,585
TOTAL.	384,017	2,300,190
GRAND TOTAL.	1,378,353	8,528,649

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. MOST OF THE PACK WAS CANNED IN 15 OUNCE CANS. MACKEREL WERE CANNED IN 14 PLANTS IN CALIFORNIA.

PACK OF ANCHOVIES, 1961

STYLE OF PACK	STANDARD CASES	VALUE
ANCHOVIES, IN TOMATO SAUCE AND WITHOUT SAUCE.	73,108	$409,276

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF 100 CANS, EACH CAN CONTAINING 5 OUNCES, ANCHOVIES WERE CANNED IN 4 PLANTS IN CALIFORNIA.

PACK OF SHAD, 1961

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
OREGON (4).	2,219	$23,583
NORTH CAROLINA (1), WASHINGTON (2).	681	8,693
TOTAL (7).	2,900	32,276

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1961 [1]

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MAINE (3), MICHIGAN (1). . .	859,294	$5,452,570
MASSACHUSETTS (3).	628,838	2,867,020
NEW YORK (1), NEW JERSEY (1), AND PENNSYLVANIA (3). . . .	141,369	635,410
MARYLAND (1), VIRGINIA (1), AND NORTH CAROLINA (1). . .	111,164	722,404
MISSISSIPPI (5).	2,735,505	13,558,875
WASHINGTON (2), OREGON (6) .	247,802	1,335,117
CALIFORNIA (18), AMERICAN SAMOA (1), AND PUERTO RICO (2).	2,220,803	14,500,760
TOTAL (49).	6,944,775	39,072,156

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
6 OUNCES NET (48 CANS).	136,079	$464,043
8 OUNCES NET (48 CANS).	4,428,848	16,672,765
15 OUNCES NET (48 CANS).	3,359,693	15,535,312
15-1/2 OUNCES NET (48 CANS). . .	447,222	2,304,290
16 OUNCES (48 CANS).	726,443	2,525.612
OTHER SIZES CONVERTED TO STANDARD CASES (16 OUNCES NET - 48 CANS).	369,920	1,570,134
TOTAL	9,468,205	39,072,156

[1] EACH STANDARD CASE CONTAINS 10 OR MORE POUNDS OF FISH. AN ADDITIONAL PACK (2,473,272 STANDARD CASES VALUED AT $9,085,495) HAD LESS THAN 10 POUNDS OF FISH PER STANDARD CASE AND IS NOT INCLUDED IN THE ABOVE PACK OF 6,944,775 STANDARD CASES.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, 1961

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATES OF PRODUCTION AND NUMBER OF PLANTS
ALEWIFE ROE (14).	27,291	$372,136	MARYLAND (1), VIRGINIA (9), AND NORTH CAROLINA (4)
SHAD ROE (7).	1,717	214,199	MARYLAND (1), WASHINGTON (2), OREGON (3), AND CALIFORNIA (1)
SALMON CAVIAR (3)	4,568	297,075	NEW YORK (3)
WHITEFISH (4), LUMPFISH (1), AND STURGEON CAVIAR (1), AND GROUNDFISH ROE (1)	11,444	1,060,230	MASSACHUSETTS (1), NEW YORK (3), AND WISCONSIN (1)
TOTAL EDIBLE ROE AND CAVIAR (25) 1/.	45,020	1,943,640	
SALMON EGGS FOR BAIT (10) . .	14,242	955,240	WASHINGTON (10)
GRAND TOTAL (35) 1/. . .	59,262	2,898,880	

1/ EXCLUSIVE OF DUPLICATION.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1961

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS (1), AND NEW YORK (3).	14,562	$1,289,889
MARYLAND (1), AND VIRGINIA (9)	18,379	251,179
NORTH CAROLINA (4)	8,937	122,550
WASHINGTON (12).	14,361	969,955
OREGON (3), WISCONSIN (1), AND CALIFORNIA (1).	3,023	265,307
TOTAL (35).	59,262	2,898,880

PACK OF CRAB MEAT, 1961

STATE AND NUMBER OF PLANTS	SPECIES	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:			
MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), ALABAMA (1), LOUISIANA (1), AND TEXAS (1) . .	BLUE 1/	27,048	$577,202
MISSISSIPPI (3)		6,218	125,050
TOTAL (9).		33,266	702,252
PACIFIC STATES.			
WASHINGTON (9).	DUNGENESS AND KING	39,304	1,047,268
OREGON (3), CALIFORNIA (1). . . .	DUNGENESS	13,825	371,891
ALASKA (9).	DUNGENESS	17,319	530,320
ALASKA (13)	KING	152,719	4,574,980
TOTAL, EXCLUSIVE OF DUPLICATION (34).	-	223,167	6,524,459
GRAND TOTAL (43).		256,433	7,226,711

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
3-1/2 OUNCES NET (24 CANS)	8,348	$75,120
5 OUNCES NET (24 CANS) . .	54,467	704,610
6-1/2 OUNCES NET (24 CANS)	226,561	3,142,542
6-1/2 OUNCES NET (48 CANS)	66,008	1,776,398
13 OUNCES NET (24 CANS). .	34,494	985,760
OTHER SIZES CONVERTED TO STANDARD CASES.	19,457	542,281
TOTAL.	409,335	7,226,711

1/ INCLUDES A SMALL QUANTITY OF ROCK CRABS PACKED IN MAINE.

NOTE:--"STANDARD·CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 6-1/2 OUNCES.

PACK OF CLAMS AND CLAM PRODUCTS, 1961

(STANDARD CASES)

SPECIES	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
CLAMS:						
HARD, SOFT, AND SURF. . . .	438,517	$5,255,584	1,443,795	$10,097,365	1,882,312	$15,352,949
RAZOR CLAMS (INCLUDES COCKLES IN ALASKA)	21,975	471,435	-	-	21,975	471,435
TOTAL.	460,492	5,727,019	1,443,795	10,097,365	1,904,287	15,824,384

NOTE:--CLAMS WERE CANNED IN 9 PLANTS IN WASHINGTON, 7 PLANTS IN NEW JERSEY, 6 PLANTS IN MAINE, 5 PLANTS IN ALASKA, 3 PLANTS EACH IN NEW YORK AND OREGON, 2 PLANTS EACH IN PENNSYLVANIA AND CALIFORNIA, AND 1 PLANT EACH IN MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, AND DELAWARE. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT; AND EACH CAN OF CHOWDER, JUICE, BROTH, BOUILLON, OR NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS CANNED IN THE SHELL IS NOT INCLUDED IN THIS TABLE.

CLAM PRODUCTION, BY TYPE OF PACK, 1961

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
CLAMS:			
WHOLE (11).	14,553	218,295	$224,518
MINCED (23)	445,939	6,689,085	5,502,501
CHOWDER (16).	1,346,912	40,407,360	9,552,672
JUICE (INCLUDES BOUILLON, BROTH, AND NECTAR (11).	96,883	2,906,490	544,693
TOTAL 1/ (41).	1,904,287	50,221,230	15,824,384

1/ EXCLUSIVE OF DUPLICATION.

THROUGH AN ERROR IN ASSEMBLY OF DATA ON THE PACK OF HARD, SOFT, AND SURF WHOLE OR MINCED CLAMS, DISCREPANCIES OCCURRED FOR 1951 AND FOR THE YEARS FROM 1954 TO 1960 INCLUSIVE. REVISED DATA ON THE PACK FOR THESE YEARS APPEAR IN THE FOLLOWING TABLE.

PACK OF WHOLE AND MINCED CLAMS, 1951, 1954-60 1/

YEAR	CASES	POUNDS	YEAR	CASES	POUNDS
1951	383,691	5,755,365	1957	382,628	5,739,420
1954	401,266	6,018,990	1958	325,036	4,875,540
1955	369,963	5,549,445	1959	416,756	6,251,340
1956	401,568	6,023,520	1960	384,630	5,769,450

1/ INCLUDES THE PACK OF HARD, SOFT, SURF, RAZOR, AND COCKLE CLAMS.

NOTE:--THE VALUE REMAINS AS PREVIOUSLY REPORTED.

PACK OF OYSTERS, 1961

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:		
ALABAMA (1), AND SOUTH CAROLINA (2)	54,470	$667,402
MISSISSIPPI (11).	96,859	1,332,309
LOUISIANA (12).	227,741	2,767,596
TOTAL (26)	379,070	4,767,307
PACIFIC STATES:		
WASHINGTON (6), AND OREGON (1)	66,615	1,009,057
GRAND TOTAL (33)	445,685	5,776,364

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES:		
4-2/3 OUNCES (24 CANS). . .	666,819	$4,185,103
6-1/2 OUNCES (24 CANS). . .	55,810	482,585
OTHER SIZES CONVERTED TO STANDARD CASES	6,793	99,619
TOTAL.	729,422	4,767,307
PACIFIC STATES:		
4-2/3 OUNCES (48 CANS). . .	27,436	454,927
6-1/2 OUNCES (48 CANS). . .	16,805	333,830
9.9 OUNCES (24 CANS). . . .	3,072	42,718
OTHER SIZES CONVERTED TO STANDARD CASES	12,514	177,582
TOTAL.	59,827	1,009,057
GRAND TOTAL.	789,249	5,776,364

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CAN CONTAINING 4-2/3 OUNCES DRAINED WEIGHT.

PACK OF SHRIMP, 1961

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
GULF STATES:		
MISSISSIPPI (11). . .	83,454	$1,943,895
LOUISIANA (18). . . .	350,288	6,816,286
ALABAMA (1), TEXAS (3).	46,415	974,996
TOTAL (33)	480,157	9,735,177
PACIFIC STATES:		
WASHINGTON (2), OREGON (2)	26,009	438,259
ALASKA (7).	112,772	1,568,390
TOTAL (11)	138,781	2,006,649
GRAND TOTAL (44) .	618,938	11,741,826

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
GULF STATES:		
4-1/2 OUNCES (24 CANS). . . .	1,091,580	$9,256,422
5 OUNCES (24 CANS).	233,287	2,235,241
OTHER SIZES CONVERTED TO STANDARD CASES	11,083	250,163
TOTAL	1,335,950	11,741,826

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 5 OUNCES.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1961

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
ANCHOVY PASTE.	1,561	$109,970	NEW YORK (2), MARYLAND (1), MICHIGAN (1)
CAKES (PRINCIPALLY GROUNDFISH) . .	88,426	1,204,619	MAINE (1), MASSACHUSETTS (1), NEW JERSEY (1), VIRGINIA (1), WASHINGTON (1)
GEFILTEFISH.	276,524	4,981,500	NEW YORK (2), NEW JERSEY (3)
SALMON AND STEELHEAD TROUT, SMOKED	774	73,731	ALASKA (8), WASHINGTON (7), OREGON (2), CALIFORNIA (1)
STURGEON, SMOKED	477	28,640	WASHINGTON (5), OREGON (4)
TUNA SPECIALTIES (WITH NOODLES, CREAMED, SMOKED, AND WITH SHERRY)	59,692	693,189	MAINE (1), WASHINGTON (1), OREGON (1), CALIFORNIA (3)
OTHER SPECIALTIES (SALTED COD, CREAMED HADDOCK, SMOKED HALIBUT, PACIFIC HERRING, KING MACKEREL PASTE, SALTED SALMON LIVERS, SALMON SPREAD, SARDINE COCKTAILS, SARDINE SPREAD, SMOKED SHAD, WAHOO, WHITEFISH, UNCLASSIFIED FISH IN APPETIZERS, CHOWDER, FLAKES, AND SPREAD)	72,362	1,077,814	MAINE (4), MASSACHUSETTS (1), NEW YORK (1), NEW JERSEY (3), EAST COAST OF FLORIDA (1), MICHIGAN (1), ALASKA (1), OREGON (1), CALIFORNIA (1), WASHINGTON (1), AMERICAN SAMOA (1)
TOTAL FISH.	499,816	8,169,463	
SHELLFISH:			
CRAB SPECIALTIES (DEVILED, DIP, SMOKED, SPREAD, SOFT SHELL, AND SOUPS AND STEWS).	8,226	160,013	MAINE (1), PENNSYLVANIA (1), NEW JERSEY (1), MARYLAND (2), SOUTH CAROLINA (1), LOUISIANA (2), WASHINGTON (2), OREGON (1)
LOBSTER SPECIALTIES (MEAT, KNUCKLES, THERMIDOR, SPREAD, AND SOUPS AND STEWS).	7,881	221,639	MAINE (1), CONNECTICUT (1), NEW JERSEY (3), PENNSYLVANIA (1), MARYLAND (1)
SHRIMP SPECIALTIES (DIP, SOUPS AND STEWS).	6,014	120,049	MAINE (1), NEW JERSEY (2), PENNSYLVANIA (1), MARYLAND (2), LOUISIANA (3)
CLAM SPECIALTIES (DIP, CAKES, SPREAD, SAUCE, IN THE SHELL, AND SOUPS AND STEWS).	49,162	695,994	MAINE (2), MASSACHUSETTS (1), CONNECTICUT (1), NEW YORK (1), NEW JERSEY (2), DELAWARE (1), PENNSYLVANIA (1), MARYLAND (2), WASHINGTON (2)
CONCH MEAT	5,675	142,140	NEW YORK (1), NEW JERSEY (1), DELAWARE (1)
OYSTER SPECIALTIES:			
SMOKED	926	98,834	WASHINGTON (5), OREGON (1)
STEW	138,875	1,955,141	NEW JERSEY (1), PENNSYLVANIA (1), SOUTH CAROLINA (1), WASHINGTON (4), OREGON (1)
BISQUE AND SOUP.	1,573	22,748	NEW JERSEY (1), MARYLAND (1), LOUISIANA (3), WASHINGTON (1)
SQUID.	114,800	567,114	NEW YORK (1), NEW JERSEY (1), CALIFORNIA (8)
TURTLE SPECIALTIES (MEAT CHOWDER, SOUP AND STEW).	26,928	390,729	NEW JERSEY (2), PENNSYLVANIA (3), WEST COAST OF FLORIDA (1), OHIO (1), LOUISIANA (3)
OTHER SPECIALTIES (CONCH CHOWDER, CRAWFISH BISQUE, MUSSELS, SCALLOPS IN SAUCE, AND UNCLASSIFIED SHELLFISH IN SOUPS AND STEWS).	3,288	69,516	MAINE (3), NEW YORK (1), NEW JERSEY (1), WEST COAST OF FLORIDA (1), LOUISIANA (3)
TOTAL SHELLFISH	363,348	4,443,917	
GRAND TOTAL	863,164	12,613,380	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

INDUSTRIAL FISHERY PRODUCTS

The production of industrial fishery products by 170 plants in the United States, American Samoa, and Puerto Rico in 1961 was valued at $74.6 million. Compared with 1960, this was an increase of $8 million.

Marine animal scrap and meal:--Production increased from 290,000 tons in 1960 to 311,000 tons in 1961 establishing a new record. Menhaden meal accounted for 80 percent of the total.

In the spring of 1961, concern was expressed over the decline in the price of fish meal. An international meeting was held in Rome to assess the world demand for fish meal and to explore possibilities of insuring stable international markets for this product. By the end of 1961, (although United States production and imports were the largest in history) meal was in short supply. Prices had shown a marked recovery, and dealers were actively seeking new sources of supply.

Marine animal oil:--Over 34 million gallons were produced in 1961. Compared with 1960, this was an increase of 6.5 million gallons. The 1961 production was the largest since 1939 when the California sardine fishery was at its peak. Menhaden oil (31.4 million gallons) accounted for 91 percent of the total 1961 production.

Solubles and homogenized condensed fish:--Although production increased from 99,000 tons in 1960 to 112,000 tons in 1961, it was well below the 165,000 tons manufactured in 1959. Some firms added solubles to their meal. This caused production to be reported as meal rather than solubles.

Other industrial products:--Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $9.4 million in 1961. Compared with the previous year, this was a decrease of nearly $1 million.

Other industrial products manufactured in 1961 included agar-agar, fish feed pellets and animal feeds, Irish moss extract, kelp products, liquid fertilizer, mollusk shell lime, pearl essence, and crab shells valued at $13.4 million. In the previous year, other industrial products were valued at $13.8 million.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1961

PRODUCTS	NUMBER OF PLANTS	UNIT	QUANTITY	VALUE
MARINE ANIMAL SCRAP AND MEAL	107	TONS	311,265	$31,939,836
MARINE ANIMAL OILS:				
BODY OIL	73	GALLONS	34,408,808	14,318,340
LIVER OIL.	3	DO	6,880	54,546
MARINE PEARL SHELL BUTTONS	14	GROSS	1,250,400	2,317,503
MUSSELL SHELL BUTTONS.	7	DO	591,767	702,296
OYSTER SHELL GRIT AND LIME	17	TONS	442,835	6,341,864
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH.	36	DO	112,254	5,468,643
MISCELLANEOUS INDUSTRIAL PRODUCTS. . . .	20	-	-	13,425,946
TOTAL INDUSTRIAL PRODUCTS 1/ . . .	170	-	-	74,568,974

1/ EXCLUSIVE OF DUPLICATION.

NOTE:--LISTS OF MANUFACTURERS OF FISHERY INDUSTRIAL PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE OFFICE OF INFORMATION, U.S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

SUMMARY OF PRODUCTION, BY STATES, 1961

STATE	VALUE
MAINE	$4,458,975
MASSACHUSETTS, RHODE ISLAND, AND CONNECTICUT	3,467,646
NEW YORK	1,859,055
NEW JERSEY	7,111,972
PENNSYLVANIA AND DELAWARE	5,725,271
MARYLAND, AMERICAN SAMOA, AND PUERTO RICO	1,920,063
VIRGINIA	4,921,408
NORTH CAROLINA	4,319,237
GEORGIA, FLORIDA, AND ALABAMA	3,617,488
MISSISSIPPI	5,704,045
LOUISIANA	11,261,531
TEXAS	4,012,108
ILLINOIS AND IOWA	764,576
ALASKA	863,189
WASHINGTON	173,775
OREGON	473,557
CALIFORNIA	13,915,078
TOTAL	74,568,974

PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1961

AREA AND STATE	NUMBER	AREA AND STATE	NUMBER
NEW ENGLAND:		SOUTH ATLANTIC AND GULF:	
MAINE	12	NORTH CAROLINA	17
MASSACHUSETTS	5	GEORGIA	1
RHODE ISLAND	1	FLORIDA	6
CONNECTICUT	1	ALABAMA	1
TOTAL	19	MISSISSIPPI	5
MIDDLE ATLANTIC:		LOUISIANA	8
NEW YORK	4	TEXAS	6
NEW JERSEY	13	TOTAL	44
PENNSYLVANIA	2	MISSISSIPPI RIVER:	
DELAWARE	3	ILLINOIS	1
TOTAL	22	IOWA	7
CHESAPEAKE BAY:		TOTAL	8
MARYLAND	9	PACIFIC COAST:	
VIRGINIA	16	ALASKA	4
TOTAL	25	WASHINGTON	11
		OREGON	3
		CALIFORNIA	31
		TOTAL	49
		AMERICAN SAMOA	1
		PUERTO RICO	2
		GRAND TOTAL	170

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1961

PRODUCTS	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST 2/	TOTAL
	NUMBER	NUMBER	NUMBER
SCRAP AND MEAL, DRIED:			
ALEWIFE	3	-	3
ANCHOVY	-	2	2
CRAB:			
BLUE	16	-	16
DUNGENESS	-	1	1
FUR SEAL	-	1	1
GROUNDFISH (INCLUDES OCEAN PERCH)	1	-	1
HERRING:			
SEA	2	4	6
THREAD	2	-	2
HORSESHOE CRAB	1	-	1
MENHADEN	34	-	34
SALMON	-	1	1
SARDINE, PACIFIC	-	10	10
SHRIMP	3	1	4
TUNA AND MACKEREL	-	20	20
WHALE	-	3	3
UNCLASSIFIED	20	8	28
OIL:			
BODY:			
ALEWIFE	4	-	4
ANCHOVY	-	2	2
FUR SEAL	-	1	1
OCEAN PERCH	1	-	1
HALIBUT	-	1	1
HERRING:			
SEA	1	4	5
THREAD	2	-	2
MENHADEN	34	-	34
SALMON:			
EDIBLE	-	2	2
INDUSTRIAL	-	2	2
SARDINE, PACIFIC	-	10	10
TUNA AND MACKEREL	-	18	18
WHALE:			
SPERM	-	3	3
OTHER	-	3	3
UNCLASSIFIED	8	6	14
LIVER:			
SHARK	-	1	1
UNCLASSIFIED	1	1	2
MUSSEL SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	7	-	7
LIME AND CHIPS	2	-	2
OYSTER SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	9	6	15
SHELL LIME:			
BURNED	2	-	2
UNBURNED	6	4	10
MARINE PEARL SHELL BUTTONS	14	-	14
AGAR-AGAR	-	1	1
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	27	9	36
GLUE	1	-	1
IRISH MOSS EXTRACTS	3	-	3
KELP PRODUCTS	1	2	3
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	6	-	6
CRAB SHELLS (FOR DEVILED CRAB MEAT)	2	-	2
ANIMAL FEEDS	-	1	1
FISH FOOD PELLETS	-	2	2
TOTAL, EXCLUSIVE OF DUPLICATION	118	52	170

1/ INCLUDES FIRMS IN THE MISSISSIPPI RIVER AREA.
2/ INCLUDES AMERICAN SAMOA AND PUERTO RICO.

PRODUCTION OF MARINE ANIMAL SCRAP AND MEAL, 1961

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
DRIED SCRAP AND MEAL:						
CRAB	1/10,502	1/$425,797	(1)	(1)	10,502	$425,797
FUR SEAL	-	-	312	$24,130	312	24,130
HERRING	(2)	(2)	2/5,268	2/619,934	5,268	619,934
MENHADEN	247,551	25,852,498	-	-	247,551	25,852,498
SARDINE, PACIFIC	-	-	2,518	257,171	2,518	257,171
SHRIMP	1/296	1/11,425	(1)	(1)	296	11,425
TUNA AND MACKEREL	-	-	21,243	2,056,426	21,243	2,056,426
WHALE	-	-	1,658	203,096	1,658	203,096
UNCLASSIFIED	3/18,894	3/2,201,418	4/3,023	4/287,941	21,917	2,489,359
TOTAL	277,243	28,491,138	34,022	3,448,698	311,265	31,939,836

1/ A SMALL WEST COAST PRODUCTION IS INCLUDED WITH THE EAST COAST PRODUCTION.
2/ A SMALL EAST COAST PRODUCTION IS INCLUDED WITH THE WEST COAST PRODUCTION.
3/ INCLUDES THE PRODUCTION OF MEAL AND SCRAP FROM ALEWIVES, GROUNDFISH, OCEAN PERCH, THREAD HERRING, AND HORSESHOE CRAB.
4/ INCLUDES THE PRODUCTION OF MEAL AND SCRAP FROM ANCHOVIES AND SALMON.

PRODUCTION OF MARINE ANIMAL OIL, 1961

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
BODY OIL:						
ALEWIFE	12,053	$4,433	-	-	12,053	$4,433
FUR SEAL	-	-	52,458	$14,819	52,458	14,819
HERRING	(1)	(1)	1/818,020	1/416,710	818,020	416,710
MENHADEN	31,355,570	12,913,447	-	-	31,355,570	12,913,447
SARDINE, PACIFIC	-	-	86,167	36,221	86,167	36,221
SALMON	-	-	19,570	24,493	19,570	24,493
TUNA AND MACKEREL	-	-	762,509	278,160	762,509	278,160
WHALE:						
SPERM	-	-	92,818	63,116	92,818	63,116
OTHER	-	-	369,896	179,223	369,896	179,223
UNCLASSIFIED	2/730,011	2/345,382	3/109,736	3/42,336	839,747	387,718
TOTAL	32,097,634	13,263,262	2,311,174	1,055,078	34,408,808	14,318,340
LIVER OIL, UNCLASSIFIED	(1)	(1)	1/6,880	1/54,546	6,880	54,546
GRAND TOTAL	32,097,634	13,263,262	2,318,054	1,109,624	34,415,688	14,372,886

1/ EAST COAST PRODUCTION INCLUDED WITH WEST COAST PRODUCTION.
2/ INCLUDES OCEAN PERCH AND THREAD HERRING OILS.
3/ INCLUDES ANCHOVY AND HALIBUT OILS.

PRODUCTION OF FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH, 1961

PRODUCT, STATE, AND NUMBER OF PLANTS	TONS	VALUE
FISH SOLUBLES:		
MAINE (1), MASSACHUSETTS (2), AND TEXAS (1)	6,492	$273,570
NEW YORK (1), NEW JERSEY (2), AND DELAWARE (1)	19,568	790,820
VIRGINIA (4)	13,220	641,300
NORTH CAROLINA (4), AND EAST COAST OF FLORIDA (1)	7,842	391,103
MISSISSIPPI (3)	11,392	455,672
LOUISIANA (5)	18,039	734,102
OREGON (1), AND CALIFORNIA (8)	24,011	1,480,676
TOTAL (34)	100,564	4,767,243
HOMOGENIZED CONDENSED FISH, MASSACHUSETTS (1), AND RHODE ISLAND (1)	11,690	701,400
GRAND TOTAL (36)	112,254	5,468,643

NOTE:--INCLUDES MENHADEN SOLUBLES.

MENHADEN USED FOR REDUCTION, BY STATES, 1961

STATE	MENHADEN UTILIZED	
	POUNDS	NUMBER OF FISH
MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, AND DELAWARE	737,813,023	1,101,213,467
VIRGINIA	278,640,940	415,882,000
NORTH CAROLINA	221,524,780	330,634,000
FLORIDA AND TEXAS	170,003,790	253,737,000
MISSISSIPPI	301,270,860	449,658,000
LOUISIANA	581,682,610	868,183,000
TOTAL	2,290,936,003	3,419,307,467

NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF MENHADEN PRODUCTS, 1961

STATE AND NUMBER OF PLANTS	DRY SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	VALUE	GALLONS	VALUE	TONS	VALUE	VALUE
MASSACHUSETTS (1), RHODE ISLAND (1), NEW YORK (1), NEW JERSEY (3), AND DELAWARE (2)	86,304	$8,618,698	11,013,801	$4,162,583	19,569	$790,820	$13,572,101
VIRGINIA (4)	29,773	3,191,354	1,865,600	702,600	13,164	638,700	4,532,654
NORTH CAROLINA (10)	23,379	2,688,585	2,785,640	968,811	7,544	374,713	4,032,109
FLORIDA (2) AND TEXAS (3)	18,002	1,971,711	1,544,167	714,476	3,597	148,390	2,834,577
MISSISSIPPI (3)	29,550	3,062,224	4,805,886	2,162,649	11,392	455,672	5,680,545
LOUISIANA (6)	60,543	6,319,926	9,340,476	4,202,328	18,039	734,102	11,256,356
TOTAL (35) 1/	247,551	25,852,498	31,355,570	12,913,447	73,305	3,142,397	41,908,342

1/ EXCLUSIVE OF DUPLICATION. NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1961

("LIVE AND REEF SHELLS")

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
NEW JERSEY (1), PENNSYLVANIA (1), MARYLAND (2), AND VIRGINIA (3)	61,828	$1,152,643	20,390	$155,353	82,218	$1,307,996
FLORIDA (1), ALABAMA (1), AND TEXAS (2)	301,657	4,301,810	34,597	446,925	336,254	4,748,735
WASHINGTON (3), OREGON (1), AND CALIFORNIA (2)	22,678	270,639	1,685	14,494	24,363	285,133
TOTAL (17)	386,163	5,725,092	56,672	616,772	442,835	6,341,864

NOTE:--A QUANTITY OF BURNED LIME WAS PRODUCED IN VIRGINIA.

PRODUCTION OF FRESH-WATER MUSSEL SHELL BUTTONS, 1961

STATE AND NUMBER OF PLANTS	BUTTONS	
	GROSS	VALUE
IOWA (6) AND NEW JERSEY (1)	591,767	$702,296

NOTE:--VALUE OF THE PRODUCTION OF MUSSEL SHELL LIME, DUST AND COLORED CHIPS IS INCLUDED WITH MISCELLANEOUS FISHERY INDUSTRIAL PRODUCTS.

PRODUCTION OF MARINE PEARL SHELL BUTTONS, 1961

STATE AND NUMBER OF PLANTS	GROSS	VALUE
CONNECTICUT (1), NEW YORK (2)	591,313	$958,268
NEW JERSEY (7)	429,084	1,069,407
PENNSYLVANIA (1), DELAWARE (1), AND MARYLAND (2)	230,003	289,828
TOTAL (14)	1,250,400	2,317,503

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1961

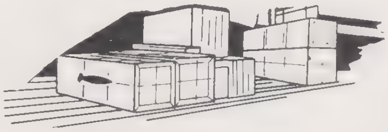
PRODUCTS	STATE AND NUMBER OF PLANTS	VALUE
AGAR-AGAR	CALIFORNIA (1)	$13,425,946
FISH FEED PELLETS AND ANIMAL FEEDS	WASHINGTON (1), OREGON (1)	
GLUE	MASSACHUSETTS (1)	
IRISH MOSS EXTRACT	MAINE (2), NEW JERSEY (1)	
KELP PRODUCTS	MAINE (1), CALIFORNIA (2)	
LIQUID FERTILIZER	OREGON (1), WASHINGTON (1)	
FRESH-WATER MUSSEL SHELL LIME, DUST, AND CHIPS	ILLINOIS (1), IOWA (1)	
PEARL ESSENCE	MAINE (5), VIRGINIA (1)	
CRAB SHELLS (FOR DEVILED CRAB MEAT)	WEST COAST FLORIDA (1), TEXAS (1)	

PACKAGED FISH

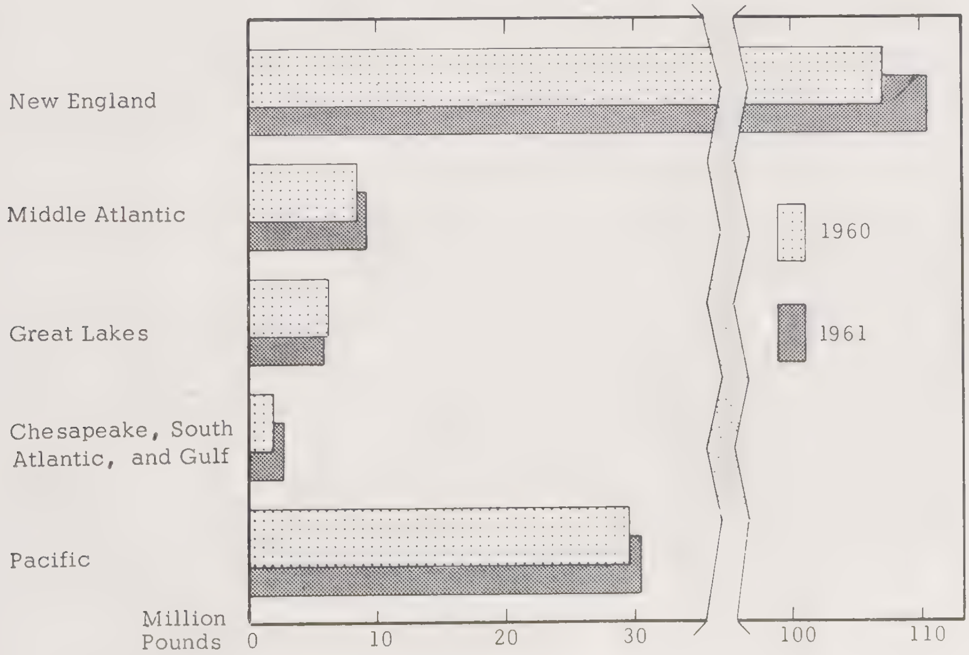
The production of fresh and frozen packaged fish fillets and steaks in the United States during 1961 totaled 158.1 million pounds valued at $51.8 million to the processors. This was an increase of 4.9 million pounds or 3 percent in volume and $3.3 million or 7 percent in value compared with 1960. It was estimated that round fish weighing 448.6 million pounds were required for the 1961 production of packaged fillets and steaks.

Haddock fillets (38.2 million pounds) and Atlantic ocean perch fillets (37.5 million pounds) were the leading items and accounted for 48 percent of the total volume and 41.5 percent of the total value. Other leading items filleted and steaked were flounders, cod, halibut, and pollock which made up 37 percent of the total quantity and 42 percent of the total value. The greatest production of packaged fish occurred in the New England area which accounted for 70 percent of the volume and 61 percent of the total value.

Preliminary data on the production of packaged fish during 1961 have been previously published in Current Fishery Statistics No. 2861.



PRODUCTION OF PACKAGED FISH, BY SECTIONS, 1960-61



SUMMARY OF PRODUCTION OF PACKAGED FISH, 1961

ITEM	FILLETS		STEAKS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FRESH.	62,449,624	$22,846,863	456,413	$119,793	62,906,037	$22,966,656
FROZEN	83,842,129	22,947,959	11,363,420	5,849,518	95,205,549	28,797,477
TOTAL	146,291,753	45,794,822	11,819,833	5,969,311	158,111,586	51,764,133

PRODUCTION OF FRESH AND FROZEN PACKAGED FISH, BY SECTIONS, 1961

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE, SOUTH ATLANTIC, AND GULF	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD.	6,136,630	$1,703,040	3,105,208	$1,308,208	-	-
CUSK	340,249	97,547	-	-	-	-
FLOUNDERS.	18,216,935	6,400,313	4,346,452	2,685,322	308,000	$152,250
GROUPERS	-	-	-	-	333,803	145,005
HADDOCK.	36,702,013	11,364,375	1,458,240	644,841	-	-
HAKE	298,222	83,170	42,000	12,600	-	-
HALIBUT.	881,640	381,995	-	-	-	-
MACKEREL	32,000	8,700	-	-	-	-
OCEAN PERCH, ATLANTIC. . .	37,493,743	9,475,150	-	-	-	-
POLLOCK.	6,560,941	1,181,297	15,850	4,253	-	-
SALMON	46,010	35,468	-	-	-	-
SNAPPER, RED	-	-	-	-	348,735	263,082
SPANISH MACKEREL	-	-	-	-	1,132,290	350,148
SWORDFISH.	72,385	41,037	-	-	-	-
WHITING.	3,297,405	630,153	-	-	-	-
WOLFFISH	227,025	73,962	-	-	-	-
MISCELLANEOUS 1/	-	-	40,250	18,799	651,600	278,697
TOTAL	110,305,198	31,476,207	9,008,000	4,674,023	2,774,428	1,189,182

SPECIES	GREAT LAKES		PACIFIC COAST	
	POUNDS	VALUE	POUNDS	VALUE
COD.	-	-	885,815	$193,113
FLOUNDERS.	-	-	8,645,785	2,969,075
HALIBUT.	-	-	8,972,027	4,555,288
HERRING, LAKE.	75,504	$21,501	-	-
LAKE TROUT	119,445	102,078	-	-
LINGCOD.	-	-	1,943,870	429,111
OCEAN PERCH, PACIFIC . . .	-	-	3,743,982	855,387
ROCKFISHES	-	-	4,061,649	859,277
SALMON	-	-	1,107,257	784,770
SAUGER	525,000	406,815	-	-
SWORDFISH.	-	-	875,794	478,286
WHITE BASS	48,042	20,884	-	-
WHITEFISH.	537,211	406,803	-	-
YELLOW PERCH	3,334,342	1,502,040	-	-
YELLOW PIKE.	962,581	741,581	-	-
MISCELLANEOUS 1/	119,500	61,280	66,156	37,432
TOTAL	5,721,625	3,262,982	30,302,335	11,161,739

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, MULLET, PIKE OR PICKEREL, POMPANO, SABLEFISH, SCUP, SEA BASS, GRAY AND SPOTTED SEA TROUT, SHAD, STRIPED BASS, WARSAW, WHITE PERCH, AND UNCLASSIFIED SPECIES.

PRODUCTION OF PACKAGED FISH, BY METHOD OF PREPARATION, 1961

SPECIES	FILLETS			
	FRESH		FROZEN	
	POUNDS	VALUE	POUNDS	VALUE
COD	6,588,123	$2,311,704	3,143,906	$807,980
CUSK	308,872	88,136	31,377	9,411
FLOUNDERS	21,344,867	8,947,150	10,172,305	3,259,810
GROUPERS	172,980	77,528	107,870	46,858
HADDOCK	21,248,830	7,138,982	16,911,423	4,870,234
HAKE	327,055	93,587	13,167	2,183
HALIBUT	-	-	1,125,350	644,589
HERRING, LAKE	38,504	11,901	37,000	9,600
LAKE TROUT	74,490	63,947	44,955	38,131
LINGCOD	1,200,846	253,825	743,024	175,286
MACKEREL	10,000	2,600	22,000	6,100
OCEAN PERCH:				
ATLANTIC	432,635	111,090	37,061,108	9,364,060
PACIFIC	1,879,824	404,047	1,864,158	451,340
POLLOCK	1,671,014	349,804	4,905,777	835,746
ROCKFISHES	3,143,841	652,759	917,808	206,518
SALMON	-	-	14,393	11,514
SAUGER	390,000	304,775	135,000	102,040
SNAPPER, RED	53,329	40,797	271,176	204,573
SPANISH MACKEREL	36,800	13,396	1,095,490	336,752
WHITE BASS	42,528	18,251	5,514	2,633
WHITEFISH	373,799	301,775	163,412	105,028
WHITING	11,545	2,662	3,285,860	627,491
WOLFFISH	33,510	10,870	193,515	63,092
YELLOW PERCH	2,314,182	1,070,379	1,020,160	431,661
YELLOW PIKE	645,950	499,568	316,631	242,013
MISCELLANEOUS 1/	106,100	77,330	239,750	93,316
TOTAL	62,449,624	22,846,863	83,842,129	22,947,959

SPECIES	STEAKS, FRESH AND FROZEN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
COD	395,624	$84,677	10,127,653	$3,204,361
CUSK	-	-	340,249	97,547
FLOUNDERS	-	-	31,517,172	12,206,960
GROUPERS	52,953	20,619	333,803	145,005
HADDOCK	-	-	38,160,253	12,009,216
HAKE	-	-	340,222	95,770
HALIBUT	8,728,317	4,292,694	9,853,667	4,937,283
HERRING, LAKE	-	-	75,504	21,501
LAKE TROUT	-	-	119,445	102,078
LINGCOD	-	-	1,943,870	429,111
MACKEREL	-	-	32,000	8,700
OCEAN PERCH:				
ATLANTIC	-	-	37,493,743	9,475,150
PACIFIC	-	-	3,743,982	855,387
POLLOCK	-	-	6,576,791	1,185,550
ROCKFISHES	-	-	4,061,649	859,277
SALMON	1,138,874	808,724	1,153,267	820,238
SAUGER	-	-	525,000	406,815
SNAPPER, RED	24,230	17,712	348,735	263,082
SPANISH MACKEREL	-	-	1,132,290	350,148
SWORDFISH	948,179	519,323	948,179	519,323
WHITE BASS	-	-	48,042	20,884
WHITEFISH	-	-	537,211	406,803
WHITING	-	-	3,297,405	630,153
WOLFFISH	-	-	227,025	73,962
YELLOW PERCH	-	-	3,334,342	1,502,040
YELLOW PIKE	-	-	962,581	741,581
MISCELLANEOUS 1/	531,656	225,562	877,506	396,208
TOTAL	11,819,833	5,969,311	158,111,586	51,764,133

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, MULLET, PIKE OR PICKEREL, POMPANO, SABLEFISH, SCUP, SEA BASS, GRAY AND SPOTTED SEA TROUT, SHAD, STRIPED BASS, WARSAW, WHITE PERCH, AND UNCLASSIFIED SPECIES.

PRODUCTION OF FISH STICKS, 1961

MONTH	COOKED	RAW	TOTAL
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	5,734	357	6,091
FEBRUARY	6,721	376	7,097
MARCH	6,678	555	7,233
APRIL	5,222	377	5,599
MAY	4,764	365	5,129
JUNE	4,603	325	4,928
JULY	3,262	313	3,575
AUGUST	6,335	592	6,927
SEPTEMBER	4,853	353	5,206
OCTOBER	5,743	390	6,133
NOVEMBER	5,839	449	6,288
DECEMBER	5,252	366	5,618
TOTAL	65,006	4,818	69,824
TOTAL VALUE-YEAR (THOUSANDS OF DOLLARS)	28,321	1,779	30,100

PRODUCTION OF FISH PORTIONS, 1961

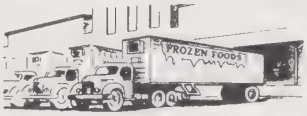
MONTH	BREADED			UNBREADED	TOTAL
	COOKED	RAW	TOTAL		
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	694	3,472	4,166	137	4,303
FEBRUARY	756	3,940	4,696	206	4,902
MARCH	1,322	4,339	5,661	170	5,831
APRIL	771	3,557	4,328	156	4,484
MAY	821	2,935	3,756	123	3,879
JUNE	524	3,343	3,867	172	4,039
JULY	702	3,137	3,839	123	3,962
AUGUST	581	4,243	4,824	139	4,963
SEPTEMBER	1,314	4,253	5,567	178	5,745
OCTOBER	1,563	4,950	6,513	246	6,759
NOVEMBER	972	4,571	5,543	246	5,789
DECEMBER	983	4,043	5,026	165	5,191
TOTAL	11,003	46,783	57,786	2,061	59,847
TOTAL VALUE-YEAR (THOUSANDS OF DOLLARS)	4,544	16,843	21,387	805	22,192

FROZEN FISHERY TRADE

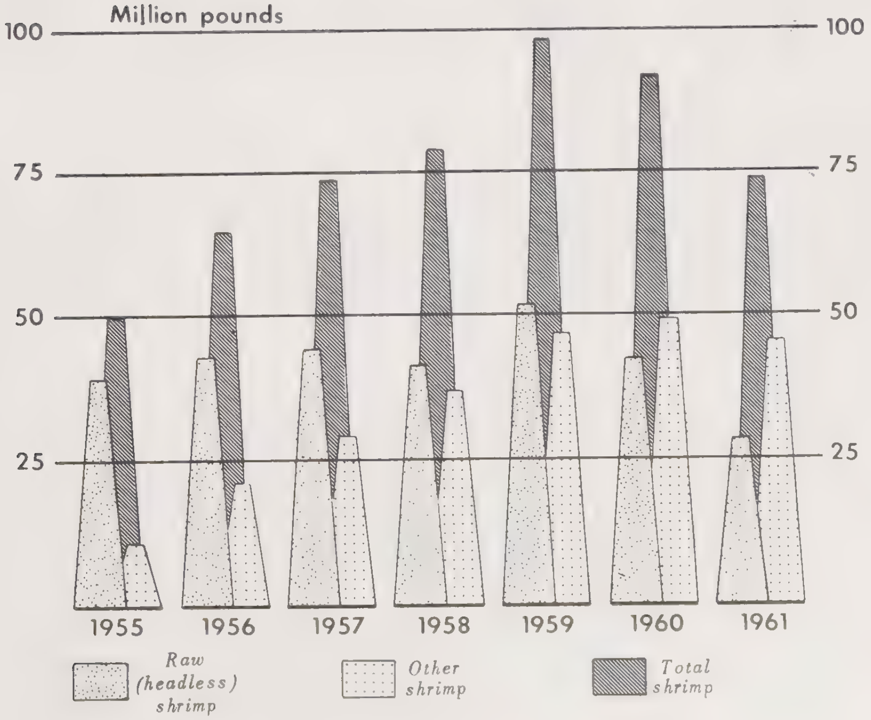
The 1961 production of frozen fish and shellfish by firms reporting to the Bureau of Commercial Fisheries totaled 319.6 million pounds. Leading products frozen during 1961 were shrimp (74 million pounds); bait and animal food (67.6 million pounds); blocks, fillets, and steaks consisting largely of ocean perch and haddock (56 million pounds); halibut (32.7 million pounds); and headed and gutted whiting (29 million pounds). These items accounted for 81 percent of the total. An estimated 509 million pounds of fish and shellfish (live weight) were required to produce the 1961 production of frozen fishery items.

New England led all other areas in freezings with 143 million pounds or 45 percent of the total, followed by the South Central with 57.3 million, the Pacific, 41.3 million, Alaska, 36 million, and the South Atlantic area, 30.9 million pounds. The Middle Atlantic, North Central East, and North Central West areas accounted for the remainder.

Data on the freezings and holdings of fishery products for 1961 were published previously in Current Fishery Statistics No. 2808. The data were also published in the monthly bulletin Frozen Fish Report, which is in the Current Fishery Statistics series.



FROZEN SHRIMP PRODUCTION, 1955-61



SUMMARY OF FREEZINGS, BY MONTHS, 1961

(THOUSANDS OF POUNDS)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	141	20	52	212	29	48
FILLETS AND STEAKS:						
COD	10	86	176	42	312	283
FLOUNDER	98	16	31	1,165	450	363
HADDOCK	208	572	1,056	236	1,387	1,346
HALIBUT	-	-	-	69	152	426
OCEAN PERCH	1,056	1,730	1,804	1,453	3,565	3,644
POLLOCK	275	148	54	116	163	244
SALMON	-	-	-	-	-	2
WHITING	1	-	1	1	30	361
UNCLASSIFIED	57	82	125	222	261	246
TOTAL FILLETS AND STEAKS	1,705	2,634	3,247	3,304	6,320	6,915
TOTAL BLOCKS, FILLETS, AND STEAKS	1,846	2,654	3,299	3,516	6,349	6,963
ROUND, DRESSED, ETC.:						
HALIBUT	-	-	-	682	9,029	8,353
MACKEREL (EXCEPT SPANISH)	34	23	17	6	6	21
SABLEFISH	4	1	3	13	49	54
SALMON:						
CHINOOK OR KING	-	-	-	10	300	525
SILVER OR COHO	-	-	-	-	-	173
CHUM OR KETA	-	-	-	-	-	4
OTHER	-	-	-	-	16	195
TOTAL SALMON	-	-	-	10	316	897
SMELT	4	13	3	24	17	5
TUNA	9	-	-	2	-	5
WHITING, HEADED AND GUTTED	28	62	30	13	81	3,401
OTHER (EXCEPT BAIT)	2,538	2,456	3,380	2,482	2,414	1,642
TOTAL SALT-WATER FISH	4,463	5,209	6,732	6,748	18,261	21,341
FRESH-WATER:						
FILLETS AND STEAKS	-	-	-	-	2	-
ROUND, DRESSED, ETC.:						
CHUBS	96	-	8	31	116	41
TROUT	51	47	56	46	38	47
WHITEFISH	9	-	15	5	4	15
OTHER (EXCEPT BAIT)	143	76	99	27	173	378
TOTAL FRESH-WATER FISH	299	123	178	109	333	481
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	3,324	3,399	2,664	4,488	9,472	8,154
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	469	657	269	146	146	100
SPINY LOBSTER (TAILS)	166	162	93	4	4	-
OYSTER MEATS	212	132	307	109	50	30
SCALLOP MEATS	75	85	133	145	257	304
SHRIMP:						
RAW (HEADLESS)	1,644	1,283	1,190	819	1,869	2,393
ALL OTHER (INCLUDING BREADED)	4,684	4,517	4,802	2,623	3,046	3,364
TOTAL SHRIMP	6,328	5,800	5,992	3,442	4,915	5,757
SQUID	39	34	70	27	115	144
OTHER	16	48	21	43	44	72
TOTAL SHELLFISH	7,307	6,918	6,885	3,916	5,531	6,407
TOTAL FISH AND SHELLFISH	15,393	15,649	16,459	15,261	33,597	36,383

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY MONTHS, 1961 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:							
BLOCKS	52	115	123	98	25	275	1,190
FILLETS AND STEAKS:							
COD	238	153	172	226	271	129	2,098
FLOUNDER	512	687	449	584	655	470	5,480
HADDOCK	1,176	1,160	931	1,579	939	743	11,333
HALIBUT	345	314	279	174	170	-	1,929
OCEAN PERCH	3,080	3,072	2,690	2,057	1,677	1,272	27,100
POLLOCK	29	120	62	238	526	858	2,833
SALMON	3	6	-	19	9	-	38
WHITING	408	409	308	276	327	40	2,162
UNCLASSIFIED	226	429	92	176	125	72	2,113
TOTAL FILLETS AND STEAKS	6,017	6,350	4,983	5,328	4,699	3,584	55,086
TOTAL BLOCKS, FILLETS, AND STEAKS	6,069	6,465	5,106	5,426	4,724	3,659	56,276
ROUND, DRESSED, ETC.:							
HALIBUT	7,334	5,199	1,623	486	2	-	32,708
MACKEREL (EXCEPT SPANISH)	111	46	19	129	74	36	522
SABLEFISH	86	243	1,402	872	221	25	2,973
SALMON:							
CHINOOK OR KING	845	971	394	113	30	-	3,188
SILVER OR COHO	605	839	1,085	571	25	-	3,298
CHUM OR KETA	69	181	796	810	247	-	2,107
OTHER	1,407	795	451	88	5	-	2,957
TOTAL SALMON	2,926	2,786	2,726	1,582	307	-	11,550
SMELT	62	41	12	3	9	3	196
SWORDFISH	19	9	8	2	-	-	38
TUNA	175	88	111	48	1	2	441
WHITING, HEADED AND GUTTED	10,295	7,339	3,614	2,586	1,407	198	29,054
OTHER (EXCEPT BAIT)	1,628	2,255	2,629	2,973	3,335	3,792	31,524
TOTAL SALT-WATER FISH	28,705	24,471	17,250	14,107	10,080	7,915	165,282
FRESH-WATER:							
FILLETS AND STEAKS	-	1	2	11	7	1	24
ROUND, DRESSED, ETC.:							
CHUBS	80	119	35	64	121	92	803
TROUT	67	69	55	52	44	44	616
WHITEFISH	48	14	18	5	14	55	202
OTHER (EXCEPT BAIT)	115	100	122	129	166	82	1,610
TOTAL FRESH-WATER FISH	310	303	232	261	352	274	3,255
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	7,153	7,371	5,315	6,498	6,705	3,021	67,564
SHELLFISH							
CRABS (INCLUDING CRAB MEAT)	247	237	440	446	209	173	3,539
SPINY LOBSTER (TAILS)	-	-	1	11	80	7	530
OYSTER MEATS	60	-	2	26	113	139	1,182
SCALLOP MEATS	250	449	224	295	285	287	2,789
SHRIMP:							
RAW (HEADLESS)	2,671	3,760	3,898	4,423	2,746	1,676	28,372
ALL OTHER (INCLUDING BREADED)	4,012	3,379	3,370	4,269	4,269	3,314	45,649
TOTAL SHRIMP	6,683	7,139	7,268	8,692	7,015	4,990	74,021
SQUID	126	108	79	8	14	20	[illegible]
OTHER	43	49	38	101	89	77	[illegible]
TOTAL SHELLFISH	7,409	7,982	8,052	9,579	7,805	5,693	83,484
TOTAL FISH AND SHELLFISH	43,577	40,127	30,849	30,445	24,942	16,903	319,585

NOTE:--PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS REPORT.

SUMMARY OF FREEZINGS, BY SECTIONS, 1961

(THOUSANDS OF POUNDS)

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:					
BLOCKS	1,045	-	96	-	-
FILLETS AND STEAKS:					
COD	1,973	16	-	-	-
FLOUNDER	4,783	-	30	-	-
HADDOCK	11,330	3	-	-	-
OCEAN PERCH	26,575	1	-	-	-
POLLOCK	2,833	-	-	-	-
WHITING	2,143	19	-	-	-
UNCLASSIFIED	204	-	813	-	6
TOTAL FILLETS AND STEAKS	49,841	39	843	-	6
TOTAL BLOCKS, FILLETS, AND STEAKS	50,886	39	939	-	6
ROUND, DRESSED, ETC.:					
HALIBUT	10	-	-	-	-
MACKEREL (EXCEPT SPANISH)	187	51	-	-	-
SMELT	16	31	-	20	-
SWORDFISH	16	-	-	-	-
WHITING, HEADED AND GUTTED	28,676	378	-	-	-
OTHER (EXCEPT BAIT)	16,644	1,927	6,215	36	6
TOTAL SALT-WATER FISH	96,435	2,426	7,154	56	12
FRESH-WATER:					
FILLETS AND STEAKS	-	-	-	24	-
ROUND, DRESSED, ETC.:					
CHUBS	43	199	-	456	105
TROUT	-	-	-	-	8
WHITEFISH	1	166	-	-	35
OTHER (EXCEPT BAIT)	-	552	8	390	514
TOTAL FRESH-WATER FISH	44	917	8	870	662
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	44,142	2,185	924	391	2,010
SHELLFISH					
CRABS (INCLUDING CRAB MEAT)	1	-	863	-	-
SPINY LOBSTER (TAILS)	-	-	60	-	-
OYSTER MEATS	-	-	748	-	-
SCALLOP MEATS	1,890	178	685	-	-
SHRIMP:					
RAW (HEADLESS)	244	596	2,477	-	-
ALL OTHER (INCLUDING BREADED)	-	-	17,821	-	3
TOTAL SHRIMP	244	596	20,298	-	3
SQUID	160	465	28	-	-
OTHER	114	172	133	-	2
TOTAL SHELLFISH	2,409	1,411	22,815	-	5
TOTAL FISH AND SHELLFISH	143,030	6,939	30,901	1,317	2,689

NOTE:--THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:
NEW ENGLAND--MAINE, MASSACHUSETTS, RHODE ISLAND, AND CONNECTICUT.
MIDDLE ATLANTIC--NEW YORK, NEW JERSEY, AND PENNSYLVANIA.
SOUTH ATLANTIC--MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, GEORGIA, AND FLORIDA.
NORTH CENTRAL, EAST--OHIO, INDIANA, ILLINOIS, MICHIGAN, AND WISCONSIN.
NORTH CENTRAL, WEST--MINNESOTA, IOWA, MISSOURI, NORTH DAKOTA, NEBRASKA, AND KANSAS.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY SECTIONS, 1961 - Continued

(THOUSANDS OF POUNDS)

SPECIES	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:				
BLOCKS	-	49	-	1,190
FILLETS AND STEAKS:				
COD	-	100	9	2,098
FLOUNDER	49	618	-	5,480
HADDOCK	-	-	-	11,333
HALIBUT	-	1,274	655	1,929
OCEAN PERCH	-	524	-	27,100
POLLOCK	-	-	-	2,833
SALMON	-	38	-	38
WHITING	-	-	-	2,162
UNCLASSIFIED	15	1,072	3	2,113
TOTAL FILLETS AND STEAKS	64	3,626	667	55,086
TOTAL BLOCKS, FILLETS, AND STEAKS	64	3,675	667	56,276
ROUND, DRESSED, ETC.:				
HALIBUT	-	9,922	22,776	32,708
MACKEREL (EXCEPT SPANISH)	-	284	-	522
SABLEFISH	-	1,789	1,184	2,973
SALMON:				
CHINOOK OR KING	-	1,573	1,615	3,188
SILVER OR COHO	-	1,737	1,561	3,298
CHUM OR KETA	-	735	1,372	2,107
OTHER	-	350	2,607	2,957
TOTAL SALMON	-	4,395	7,155	11,550
SMELT	-	129	-	196
SWORDFISH	-	22	-	38
TUNA	-	441	-	441
WHITING, HEADED AND GUTTED	-	-	-	29,054
OTHER (EXCEPT BAIT)	3,720	2,513	463	31,524
TOTAL SALT-WATER FISH	3,784	23,170	32,245	165,282
FRESH-WATER:				
FILLETS AND STEAKS	-	-	-	24
ROUND, DRESSED, ETC.:				
CHUBS	-	-	-	803
TROUT	-	608	-	616
WHITEFISH	-	-	-	202
OTHER (EXCEPT BAIT)	105	41	-	1,610
TOTAL FRESH-WATER FISH	105	649	-	3,255
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	518	15,063	2,331	67,564
SHELLFISH				
CRABS (INCLUDING CRAB MEAT)	77	1,123	1,475	3,539
SPINY LOBSTER (TAILS)	7	463	-	530
OYSTER MEATS	256	178	-	1,182
SCALLOP MEATS	-	36	-	2,789
SHRIMP:				
RAW (HEADLESS)	24,743	267	45	28,372
ALL OTHER (INCLUDING BREADED)	27,799	-	26	45,649
TOTAL SHRIMP	52,542	267	71	74,021
SQUID	24	105	-	782
OTHER	-	206	14	641
TOTAL SHELLFISH	52,906	2,378	1,560	83,484
TOTAL FISH AND SHELLFISH	57,313	41,260	36,136	319,585

NOTE:--THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:
SOUTH CENTRAL--KENTUCKY, TENNESSEE, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, OKLAHOMA, AND ARKANSAS.
PACIFIC--WASHINGTON, OREGON, CALIFORNIA, ARIZONA, COLORADO, UTAH, AND IDAHO.
ALASKA.
PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE.

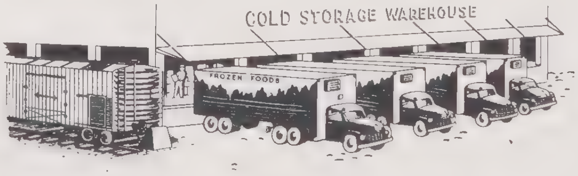
SUMMARY OF FREEZINGS, BY SECTIONS AND MONTHS, 1961

(THOUSANDS OF POUNDS)

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	4,609	419	2,761	68	28
FEBRUARY	6,308	355	2,552	39	-
MARCH	6,834	272	3,100	-	4
APRIL	6,863	522	2,341	57	7
MAY	13,612	1,358	2,312	130	280
JUNE	16,969	476	1,999	73	314
JULY	22,227	758	2,093	62	13
AUGUST	19,806	792	2,085	97	42
SEPTEMBER	13,791	536	2,147	83	19
OCTOBER	14,336	555	2,645	123	29
NOVEMBER	11,061	542	3,516	350	1,633
DECEMBER	6,614	354	3,350	235	320
TOTAL	143,030	6,939	30,901	1,317	2,689

MONTH	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	4,340	2,163	1,005	15,393
FEBRUARY	4,032	1,853	510	15,649
MARCH	4,260	1,433	556	16,459
APRIL	2,498	2,163	810	15,261
MAY	3,698	6,263	5,944	33,597
JUNE	4,387	5,111	7,054	36,383
JULY	5,243	5,157	8,024	43,577
AUGUST	6,442	4,648	6,215	40,127
SEPTEMBER	5,887	4,213	4,173	30,849
OCTOBER	7,309	3,862	1,586	30,445
NOVEMBER	5,162	2,520	158	24,942
DECEMBER	4,055	1,874	101	16,903
TOTAL	57,313	41,260	36,136	319,585

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 60 AND 61.



COLD STORAGE HOLDINGS OF FROZEN FISHERY PRODUCTS

Holdings of frozen fishery products in 1961 were highest on January 1, when 230.5 million pounds were in storage. The low point occurred 4 months later on May 1, when stocks totaled only 150.2 million pounds.

Shrimp was the principal item held in storage throughout the year, with cod (blocks) and fillets) in second place.

The failure of the shrimp fishery in the South Atlantic and Gulf States was reflected in a sharp decline in the stocks of these shellfish during the year, which fell from 54.5 million pounds on January 1, to 28.3 million pounds at the end of the year.

SUMMARY OF HOLDINGS, BY MONTHS, 1961

(THOUSANDS OF POUNDS)

SPECIES	JANUARY 1	JANUARY 31	FEBRUARY 28	MARCH 31	APRIL 30	MAY 31
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	24,835	21,773	17,979	14,037	14,242	13,686
FILLETS AND STEAKS:						
COD	7,803	6,902	4,969	5,254	5,408	7,114
FLOUNDER	7,463	6,515	4,463	3,607	3,242	3,429
HADDOCK	8,088	7,272	7,035	9,388	10,418	10,897
HALIBUT	1,940	2,372	2,429	2,199	1,741	1,533
OCEAN PERCH	13,742	10,107	7,012	5,549	4,658	5,178
POLLOCK	1,298	1,143	777	553	534	488
SALMON	168	187	148	205	212	113
WHITING	2,247	1,682	1,200	879	794	556
UNCLASSIFIED	7,083	5,645	4,844	3,947	4,289	4,676
TOTAL FILLETS AND STEAKS	49,832	41,825	32,877	31,581	31,296	33,984
TOTAL BLOCKS, FILLETS, AND STEAKS	74,667	63,598	50,856	45,618	45,538	47,670
FISH STICKS AND PORTIONS (RAW AND COOKED)	9,090	7,501	5,679	7,408	8,297	8,244
ROUND, DRESSED, ETC.:						
HALIBUT	11,727	9,040	5,800	3,416	2,927	8,498
MACKEREL (EXCEPT SPANISH)	1,462	893	605	565	428	353
SABLEFISH	3,370	2,811	2,361	1,898	1,588	1,411
SALMON:						
CHINOOK OR KING	3,877	3,318	2,814	2,273	1,760	1,552
SILVER OR COHO	3,169	2,850	2,291	1,827	1,405	1,074
CHUM OR KETA	1,298	1,108	777	619	430	361
OTHER	1,079	964	981	621	386	426
TOTAL SALMON	9,423	8,240	6,863	5,340	3,981	3,413
SMELT	1,484	1,433	1,211	980	814	818
SWORDFISH	1,562	1,749	2,248	2,140	2,035	1,924
TUNA	2,253	1,468	1,352	956	192	336
WHITING, HEADED AND GUTTED	12,235	9,690	6,681	3,300	2,181	915
OTHER (EXCEPT BAIT)	19,006	16,560	10,758	14,284	13,360	13,610
TOTAL SALT-WATER FISH	146,279	122,983	94,414	85,905	81,341	87,192
FRESH-WATER:						
FILLETS AND STEAKS	2,327	1,383	901	586	501	488
ROUND, DRESSED, ETC.:						
CHUBS	751	1,459	974	555	497	802
TROUT	848	781	706	677	772	721
WHITEFISH	1,516	1,343	1,403	1,319	1,224	973
OTHER (EXCEPT BAIT)	2,705	2,833	2,299	2,135	1,983	2,368
TOTAL FRESH-WATER FISH	8,147	7,799	6,283	5,272	4,977	5,352
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	9,546	9,137	9,765	11,120	12,619	18,751
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	1,561	2,014	2,228	2,553	2,833	2,711
SPINY LOBSTER (TAILS)	4,241	4,333	5,820	6,118	5,504	6,024
OYSTER MEATS	936	1,029	959	1,107	1,072	1,165
SCALLOP MEATS	3,100	2,612	1,952	1,373	1,365	1,541
SHRIMP:						
RAW (HEADLESS)	40,913	37,842	37,612	31,345	27,492	24,696
ALL OTHER (INCLUDING BREADED)	13,441	13,871	11,413	10,758	11,345	8,683
TOTAL SHRIMP	54,354	51,713	49,025	42,103	38,837	33,379
SQUID	549	487	461	419	322	407
OTHER	1,750	1,503	1,373	1,311	1,287	1,212
TOTAL SHELLFISH	66,491	63,691	61,818	54,984	51,220	46,439
TOTAL FISH AND SHELLFISH	230,463	203,610	172,280	157,281	150,157	157,734

(CONTINUED ON NEXT PAGE)

SUMMARY OF HOLDINGS, BY MONTHS, 1961 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JUNE 30	JULY 31	AUGUST 31	SEPTEMBER 30	OCTOBER 31	NOVEMBER 30	DECEMBER 31
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:							
BLOCKS	17,679	24,166	23,517	24,061	21,156	20,025	17,677
FILLETS AND STEAKS:							
COD	7,918	8,510	7,919	7,526	8,905	9,179	7,055
FLOUNDER	4,164	4,778	5,289	4,749	5,284	5,711	6,054
HADDOCK	10,576	8,804	10,908	11,724	10,509	10,715	10,302
HALIBUT	2,019	1,965	2,146	2,634	3,878	2,795	2,066
OCEAN PERCH	7,338	8,353	10,856	11,910	13,213	12,931	12,981
POLLOCK	564	484	612	586	602	809	1,373
SALMON	148	128	129	142	145	162	152
WHITING	772	1,238	1,834	2,072	2,226	2,281	2,126
UNCLASSIFIED	5,537	6,516	5,222	7,084	8,019	7,081	6,373
TOTAL FILLETS AND STEAKS	39,036	40,776	44,915	48,427	52,781	51,664	48,482
TOTAL BLOCKS, FILLETS, AND STEAKS	56,715	64,942	68,432	72,488	73,937	71,689	66,159
FISH STICKS AND PORTIONS (RAW AND COOKED)	8,693	7,660	8,482	8,607	9,633	8,955	10,511
ROUND, DRESSED, ETC.:							
HALIBUT	13,950	19,486	20,555	18,165	14,667	12,709	10,878
MACKEREL (EXCEPT SPANISH)	273	383	428	394	552	801	754
SABLEFISH	1,149	993	917	1,934	2,146	2,393	1,999
SALMON:							
CHINOOK OR KING	1,779	2,929	3,976	4,038	2,812	3,664	3,298
SILVER OR COHO	981	1,377	2,523	3,825	4,096	3,811	3,537
CHUM OR KETA	265	343	375	936	1,075	978	941
OTHER	811	2,181	2,131	1,748	1,603	1,218	1,192
TOTAL SALMON	3,836	6,830	9,005	10,547	9,586	9,671	8,968
SMELT	808	845	941	1,146	1,214	1,353	1,278
SWORDFISH	1,694	1,659	1,764	2,130	2,036	2,154	2,350
TUNA	201	472	830	2,152	411	359	1,203
WHITING, HEADED AND GUTTED	2,381	9,294	13,301	13,856	14,316	14,344	12,367
OTHER (EXCEPT BAIT)	12,987	13,179	14,961	15,147	17,095	16,971	16,999
TOTAL SALT-WATER FISH	102,687	125,743	139,616	146,566	145,593	141,399	133,466
FRESH-WATER:							
FILLETS AND STEAKS	509	588	671	996	1,300	1,808	1,557
ROUND, DRESSED, ETC.:							
CHUBS	887	950	1,090	1,139	1,168	1,386	1,533
TROUT	711	728	855	1,081	1,180	1,185	1,134
WHITEFISH	1,037	1,351	1,580	1,750	918	692	1,802
OTHER (EXCEPT BAIT)	2,853	2,945	2,967	3,167	3,127	3,533	2,922
TOTAL FRESH-WATER FISH	5,997	6,562	7,163	8,133	7,693	8,604	8,948
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	20,209	19,791	17,418	14,602	12,328	12,404	11,726
SHELLFISH							
CRABS (INCLUDING CRAB MEAT)	2,542	2,440	2,517	1,972	2,461	2,192	2,085
SPINY LOBSTER (TAILS)	5,593	6,113	5,818	5,138	5,373	5,334	5,123
OYSTER MEATS	1,049	978	802	859	852	863	823
SCALLOP MEATS	1,823	1,979	2,398	2,727	3,170	3,207	2,959
SHRIMP:							
RAW (HEADLESS)	19,416	14,849	12,728	13,361	17,811	20,668	19,755
ALL OTHER (INCLUDING BREADED)	9,026	8,554	7,602	7,380	8,482	9,191	8,540
TOTAL SHRIMP	28,442	23,403	20,330	20,741	26,293	29,859	28,295
SQUID	625	840	890	982	1,065	1,212	1,448
OTHER	1,258	1,626	1,841	1,952	2,032	2,015	1,880
TOTAL SHELLFISH	41,332	37,379	34,596	34,371	41,246	44,682	42,613
TOTAL FISH AND SHELLFISH	170,225	189,475	198,793	203,672	206,860	207,089	196,753

SUMMARY OF HOLDINGS, BY SECTIONS AND MONTHS, 1961

(THOUSANDS OF POUNDS)

DATE	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	60,900	45,538	12,316	25,899	10,669
JANUARY 31	48,513	43,395	11,922	22,471	9,681
FEBRUARY 28	36,371	39,725	9,378	19,239	9,303
MARCH 31	32,127	36,545	9,147	17,276	7,878
APRIL 30	31,350	35,741	9,869	16,119	7,377
MAY 31	35,746	37,283	9,112	14,642	6,976
JUNE 30	45,852	35,853	8,387	16,718	7,665
JULY 31	57,523	36,555	6,418	18,337	7,696
AUGUST 31	68,479	30,961	6,536	21,395	8,511
SEPTEMBER 30	70,504	34,296	6,226	23,149	8,518
OCTOBER 31	68,816	32,649	6,889	25,297	9,093
NOVEMBER 30	68,869	37,005	8,812	26,650	10,261
DECEMBER 31	65,453	32,109	10,210	24,885	10,567

DATE	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	26,957	43,105	5,079	230,463
JANUARY 31	24,000	39,907	3,721	203,610
FEBRUARY 28	18,730	36,847	2,687	172,280
MARCH 31	16,337	33,713	4,258	157,281
APRIL 30	14,278	31,073	4,350	150,157
MAY 31	11,393	35,073	7,509	157,734
JUNE 30	10,767	34,035	10,948	170,225
JULY 31	11,695	36,426	14,825	189,475
AUGUST 31	12,124	35,084	15,703	198,793
SEPTEMBER 30	13,598	32,150	15,231	203,672
OCTOBER 31	16,468	38,170	9,478	206,860
NOVEMBER 30	15,958	33,267	6,267	207,089
DECEMBER 31	14,974	33,639	4,916	196,753

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 60 AND 61.

COLD STORAGE HOLDINGS OF CURED FISH

Average monthly holdings of salted and smoked cured fish in 1961 totaled 13.5 million pounds. Cold storage stocks averaged 6.8 million pounds of cured herring and 3.5 million pounds of mild-cured salmon. These two species accounted for 77 percent of the average cold storage inventories of cured fish.

SUMMARY OF HOLDINGS OF CURED FISH, BY MONTHS, 1961

(THOUSANDS OF POUNDS)

DATE	SALTED			SMOKED	TOTAL
	HERRING, CURED	SALMON, MILD-CURED	OTHER		
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	6,179	3,200	3,017	716	13,112
JANUARY 31	6,532	2,593	2,706	577	12,408
FEBRUARY 28	5,689	2,302	2,267	592	10,850
MARCH 31	5,622	1,837	2,213	654	10,326
APRIL 30	7,018	1,445	2,300	692	11,455
MAY 31	7,143	1,489	2,401	729	11,762
JUNE 30	7,540	2,849	2,314	676	13,379
JULY 31	6,052	4,213	2,195	619	13,079
AUGUST 31	6,758	5,030	2,147	592	14,527
SEPTEMBER 30	7,195	5,907	2,690	688	16,480
OCTOBER 31	6,418	5,456	2,291	716	14,881
NOVEMBER 30	7,463	4,879	2,345	902	15,589
DECEMBER 31	9,340	4,518	2,464	844	17,166

FOREIGN FISHERY TRADE

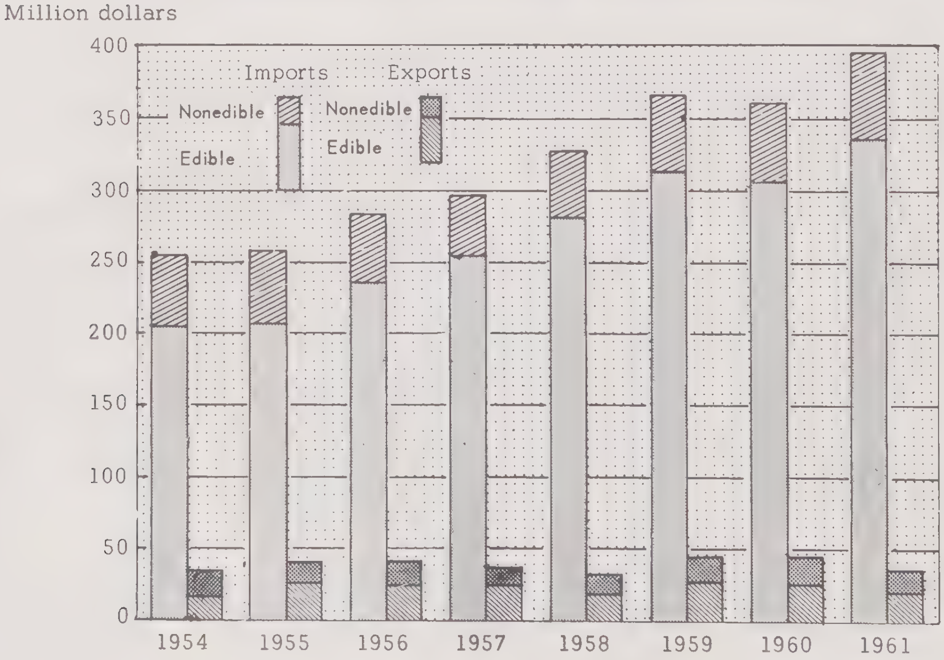
United States foreign trade in fishery products (imports plus exports of domestic products) was valued at $432 million in 1961--an increase of $27.5 million compared with the previous year. The value of fishery products imported for consumption was $397 million--the highest on record. It exceeded the former record established in 1959 by 8 percent and was 10 percent above the 1960 figure. The value of fishery products exported was $35 million--a decline of 21 percent from the previous year.

Imports of edible products in 1961 totaled 1.1 billion pounds valued at a record high of nearly $336 million. Compared with 1960, the volume remained about the same, but the value increased by 9 percent. This gain was due to generally higher prices and changes in composition of the receipts. Major increases occurred in imports of groundfish fillets and blocks, fresh or frozen shrimp, tuna canned in brine, and sardines. Items imported in reduced volume included canned salmon and fresh or frozen sea herring, and tuna. Imports of nonedible fishery products amounted to over $61 million--16 percent more than in 1960. Gains in receipts of fish meal, sperm whale oil, and cultured pearls accounted for the increase.

Edible fishery products exported in 1961 totaled 40 million pounds with a value of $19.6 million--a decrease of 35 percent in quantity and 24 percent in value compared with the previous year. Exports of nonedible domestic products, valued at $15 million, were 18 percent less.

Included in the foreign trade tables this year, for the first time, are statistics on exports of foreign fishery products. These exports during 1961 amounted to $6.5 million compared with $3.4 million the previous year.

IMPORTS AND EXPORTS OF FISHERY PRODUCTS, 1954-61



EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS			
FRESH OR FROZEN:			
FISH:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK.	1,000 POUNDS	600	131
SALMON	DO	1,094	647
OTHER.	DO	3,608	809
TOTAL FISH.	DO	5,302	1,587
SHELLFISH:			
SHRIMP	DO	4,771	3,694
OYSTERS, SHUCKED	DO	579	448
OTHER (INCLUDING LOBSTERS, SHUCKED CLAMS, AND OYSTERS IN THE SHELL)	DO	906	619
TOTAL SHELLFISH	DO	6,256	4,761
TOTAL FRESH AND FROZEN.	DO	11,558	6,348
CANNED:			
FISH:			
MACKEREL	DO	3,908	581
SALMON	DO	7,186	5,580
SARDINES:			
IN OIL	DO	185	61
NOT IN OIL	DO	7,475	1,336
TUNA	DO	327	186
OTHER (INCLUDING HERRING).	DO	454	391
TOTAL FISH.	DO	19,535	8,135
SHELLFISH:			
SHRIMP	DO	2,503	2,487
SQUID.	DO	3,432	353
OTHER (INCLUDING CRABS AND CRAB MEAT).	DO	1,580	1,156
TOTAL SHELLFISH	DO	7,515	3,996
TOTAL CANNED.	DO	27,050	12,131
CURED, SALTED, PICKLED, OR DRY CURED:			
SALMON	DO	639	593
MISCELLANEOUS FISH	DO	234	97
SHRIMP	DO	103	66
TOTAL CURED	DO	976	756
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS (INCLUDING CANNED OR FROZEN SPECIALTIES AND SMOKED FISH AND SHELLFISH)	DO	553	359
TOTAL EDIBLE FISHERY PRODUCTS	DO	40,137	19,594
NONEDIBLE FISHERY PRODUCTS			
FISH AND MARINE ANIMAL BODY AND LIVER OIL (EXCEPT MEDICINAL).	DO	122,486	8,908
WHALE AND SPERM OIL.	DO	1,206	107
SEAL FURS, DRESSED OR DYED	1,000 PIECES	58	3,097
PEARL ESSENCE.	1,000 POUNDS	27	443
SHELLS, UNMANUFACTURED	DO	13,345	1,380
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, NONEDIBLE	-	-	1,181
TOTAL NONEDIBLE FISHERY PRODUCTS.	-	-	15,116
GRAND TOTAL	-	-	34,710

NOTE:--IN ADDITION TO THE EXPORT FIGURES THAT ARE SHOWN THERE ARE LARGE QUANTITIES OF FISH OILS AND CONCENTRATES THAT ARE EXPORTED FOR MEDICINAL PURPOSES, AND OTHER MISCELLANEOUS FISHERY PRODUCTS THAT CANNOT BE SHOWN BECAUSE THE EXPORT CLASSIFICATION COVERING THESE PRODUCTS INCLUDES OTHER THAN FISHERY PRODUCTS.

EXPORTS OF FOREIGN FISHERY PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS			
FRESH OR FROZEN:			
FISH:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	1,000 POUNDS	17	4
SALMON	DO	10	5
OTHER	DO	345	109
TOTAL FISH	DO	372	118
SHELLFISH:			
SHRIMP	DO	4,742	3,731
OTHER	DO	179	137
TOTAL SHELLFISH	DO	4,921	3,868
TOTAL FRESH AND FROZEN	DO	5,293	3,986
CANNED:			
FISH:			
MACKEREL	DO	79	13
SALMON	DO	4	3
SARDINES, IN OIL	DO	11	3
TUNA	DO	5	1
OTHER	DO	32	82
TOTAL FISH	DO	131	102
SHELLFISH:			
SHRIMP	DO	25	23
SQUID	DO	14	1
OTHER	DO	2,189	1,229
TOTAL SHELLFISH	DO	2,228	1,253
TOTAL CANNED	DO	2,359	1,355
CURED, SALTED, PICKLED, OR DRY CURED:			
SALMON	DO	2	3
MISCELLANEOUS FISH	DO	275	62
SHRIMP	DO	336	294
TOTAL CURED	DO	613	359
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS (INCLUDING CANNED OR FROZEN SPECIALTIES, AND SMOKED FISH AND SHELLFISH)	DO	148	103
TOTAL EDIBLE FISHERY PRODUCTS	DO	8,413	5,803
NONEDIBLE FISHERY PRODUCTS			
FISH AND MARINE ANIMAL BODY AND LIVER OIL (EXCEPT MEDICINAL)	DO	28	5
WHALE AND SPERM OIL	DO	1,588	143
SEAL FURS, DRESSED OR DYED	1,000 PIECES	3	74
PEARL ESSENCE	1,000 POUNDS	(1)	1
SHELLS, UNMANUFACTURED	DO	178	43
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, NONEDIBLE	-	-	400
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	666
GRAND TOTAL	-	-	6,469

1/ LESS THAN 500 POUNDS.

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS			
FRESH OR FROZEN:			
FISH:			
WHETHER OR NOT WHOLE (EXCEPT FILLETS, STEAKS, ETC.:			
FRESH-WATER:			
LAKE HERRING, CISCO, AND CHUB	1,000 POUNDS	2,017	493
LAKE TROUT	DO	1,918	784
PIKE OR PICKEREL (JACKS OR GRASS PIKE)	DO	894	171
SAUGER	DO	2,043	640
TROUT (INCLUDING RAINBOW, BROOK, AND BROWN)	DO	4,248	1,919
TULLIBEE	DO	293	92
WHITEFISH	DO	14,238	5,604
YELLOW PERCH	DO	686	157
YELLOW PIKE	DO	7,276	2,592
EELS (FRESH AND SALT-WATER)	DO	125	38
OTHER	DO	7,332	1,763
TOTAL FRESH-WATER FISH	DO	41,070	14,253
SALT-WATER:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	DO	1,471	173
HALIBUT	DO	21,963	6,330
MACKEREL:			
FRESH	DO	1,561	306
FROZEN	DO	886	133
SALMON	DO	12,309	5,909
SEA HERRING	DO	1/43,904	1/1,027
SHAD	DO	78	13
SMELT	DO	10,014	1,210
STURGEON	DO	1,362	778
SWORDFISH:			
FRESH	DO	3,204	1,635
FROZEN	DO	1,576	587
TUNA (WHOLE AND OTHER THAN WHOLE):			
ALBACORE	DO	71,945	11,843
OTHER TUNA	DO	125,182	15,594
TOTAL TUNA	DO	197,127	27,437
TUNA LOINS AND DISCS:			
ALBACORE	DO	3,122	1,127
OTHER	DO	5,226	1,664
TOTAL LOINS AND DISCS	DO	8,348	2,791
OTHER (INCLUDING WHITE BASS)	DO	7,074	1,545
TOTAL SALT-WATER FISH	DO	310,877	49,874
FILLETS, STEAKS, ETC.:			
GROUNDFISH AND OCEAN PERCH:			
COD	DO	32,235	7,432
HADDOCK, HAKE, POLLOCK, AND CUSK	DO	25,590	6,262
OCEAN PERCH	DO	18,665	4,241
BLOCKS OR SLABS	DO	2/118,609	2/ 24,660
TOTAL GROUNDFISH AND OCEAN PERCH	DO	195,099	42,595
OTHER:			
FLOUNDER	DO	18,420	5,439
HALIBUT AND SALMON	DO	4,492	2,111
SWORDFISH	DO	17,457	6,588
WOLFFISH (SEA CATFISH)	DO	6,960	1,760
OTHER SALT-WATER	DO	7,450	2,230
YELLOW PIKE	DO	2,548	1,752
OTHER FRESH-WATER	DO	9,840	3,713
TOTAL, OTHER THAN GROUNDFISH	DO	67,167	23,593
TOTAL FILLETS, STEAKS, ETC.	DO	262,266	66,188
FISH STICKS AND SIMILAR PRODUCTS	DO	403	106
TOTAL FISH, FRESH AND FROZEN	DO	614,616	130,421

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1961 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS - CONTINUED			
FRESH OR FROZEN - CONTINUED:			
SHELLFISH, ETC.:			
CRABS:			
FRESH OR FROZEN (INCLUDING PREPARED OR PRESERVED, EXCEPT CANNED).	1,000 POUNDS	1,031	278
CRAB MEAT (FRESH COOKED)	DO	135	133
LOBSTERS:			
COMMON (INCLUDES FRESH-COOKED MEAT).	DO	21,299	14,571
SPINY.	DO	32,610	34,468
SHRIMP AND PRAWN (MAY INCLUDE SOME DRIED AND CANNED)	DO	126,268	68,538
CLAMS (IN SHELL OR SHUCKED).	DO	1,119	269
OYSTERS:			
EXCEPT SEED OYSTERS.	DO	132	62
OTHER (PRINCIPALLY SEED OYSTERS)	DO	2,773	294
SCALLOPS	DO	8,652	3,418
FROG LEGS (INCLUDES PREPARED AND PRESERVED).	DO	2,095	1,421
TURTLES (LIVE ONLY).	DO	778	74
TOTAL SHELLFISH, ETC., FRESH AND FROZEN . .	DO	196,892	123,526
TOTAL FRESH AND FROZEN FISH, SHELLFISH, ETC.	DO	811,508	253,947
CANNED:			
FISH:			
ANCHOVIES:			
IN OIL	DO	5,895	2,561
NOT IN OIL	DO	83	26
SALMON, NOT IN OIL	DO	7,167	3,545
SARDINES:			
IN OIL	DO	27,877	10,736
NOT IN OIL	DO	14,611	1,807
HERRING, NOT IN OIL.	DO	11,091	2,833
TUNA:			
IN OIL:			
ALBACORE	DO	343	134
OTHER.	DO	88	38
TOTAL IN OIL.	DO	431	172
IN BRINE:			
ALBACORE	DO	29,116	11,882
OTHER.	DO	29,116	10,121
TOTAL IN BRINE.	DO	58,232	22,003
BONITO AND YELLOWTAIL:			
IN OIL	DO	6,853	1,752
IN BRINE	DO	3,503	801
TOTAL BONITO AND YELLOWTAIL	DO	10,356	2,553
POLLOCK, SMOKED.	DO	14	6
ANTIPASTO, IN OIL.	DO	335	225
FISH CAKES, BALLS, AND PUDDING	DO	1,555	357
CAVIAR AND OTHER FISH ROE (MAY INCLUDE SOME NOT CANNED)	DO	411	910
FISH PASTE AND SAUCE	DO	153	82
OTHER FISH:			
IN OIL	DO	625	314
NOT IN OIL	DO	2,812	641
TOTAL CANNED FISH	DO	141,648	48,773
SHELLFISH, ETC.:			
ABALONE (MAY INCLUDE FRESH, DRIED, AND CANNED PASTE AND SAUCE).	DO	4,302	2,241
CLAMS:			
RAZOR.	DO	75	38
OTHER.	DO	1,724	1,080
CHOWDER, JUICE, ETC.	DO	8	3
CRAB MEAT (INCLUDES PASTE AND SAUCE)	DO	4,237	5,780
LOBSTER MEAT:			
COMMON	DO	2,772	4,682
SPINY.	DO	56	97
OYSTERS AND OYSTER JUICE	DO	7,701	2,434
SHELLFISH PASTE AND SAUCE.	DO	115	66
OTHER SHELLFISH.	DO	3,730	1,158
TOTAL CANNED SHELLFISH.	DO	24,720	17,579

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1961 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS - CONTINUED			
TOTAL CANNED FISH, SHELLFISH, ETC.	1,000 POUNDS	166,368	66,352
CURED:			
DRIED (UNSALTED):			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	DO	728	347
SHARK FINS	DO	103	62
OTHER	DO	149	108
TOTAL DRIED (UNSALTED)	DO	980	517
PICKLED OR SALTED:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK:			
SKINNED OR BONED	DO	8,452	2,464
OTHER	DO	36,609	6,187
HERRING	DO	28,774	3,927
MACKEREL	DO	2,218	401
SALMON	DO	16	6
OTHER	DO	431	201
TOTAL PICKLED OR SALTED	DO	76,500	13,186
SMOKED OR KIPPERED:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK:			
WHOLE, BEHEADED, EVISCERATED OR BOTH	DO	166	48
FILLETS, STEAKS, ETC.	DO	2,011	559
HERRING:			
WHOLE OR BEHEADED:			
HARD DRY-SMOKED	DO	530	62
OTHER	DO	384	100
BONED	DO	886	204
NOT BONED (EVISCERATED, SPLIT)	DO	605	127
SALMON	DO	25	30
OTHER	DO	19	7
TOTAL SMOKED OR KIPPERED	DO	4,626	1,137
TOTAL CURED	DO	82,106	14,840
OTHER FISH AND SHELLFISH, NOT ESPECIALLY PROVIDED FOR	DO	1,680	618
TOTAL EDIBLE FISHERY PRODUCTS	DO	1,061,662	335,757
NONEDIBLE FISHERY PRODUCTS			
OILS, FISH AND MARINE ANIMAL:			
COD:			
INDUSTRIAL	1,000 GALLONS	697	365
MEDICINAL	DO	1,123	1,105
HALIBUT LIVER	DO	1	12
HERRING	DO	355	170
SHARKS, INCLUDING GRAYFISH, LIVER	DO	1	3
SOD	DO	65	25
WHALE, SPERM:			
REFINED	DO	853	716
CRUDE	DO	6,954	4,762
OTHER:			
BODY	DO	1	(3)
LIVER	DO	52	1,317
TOTAL FISH AND MARINE ANIMAL OIL	DO	10,102	8,475
MEAL AND SCRAP:			
ANIMAL FEED	1,000 TONS	201	15,672
FERTILIZER	DO	17	1,068
TOTAL MEAL AND SCRAP	-	218	16,740
COD LIVER OIL CAKE AND MEAL	1,000 POUNDS	410	30
FISH SOLUBLES	1,000 TONS	7	433
FISH SOUNDS	1,000 POUNDS	17	36
FISH LIVERS FOR DRUGS	DO	76	14
GLUE	DO	834	134
ISINGLASS	DO	15	11
PEARL ESSENCE	DO	43	380
AQUARIUM FISH (INCLUDING GOLDFISH)	-	-	423
FISH (OTHER THAN FOR HUMAN CONSUMPTION)	-	-	3,609
CUTTLEFISH BONE	1,000 POUNDS	296	126

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

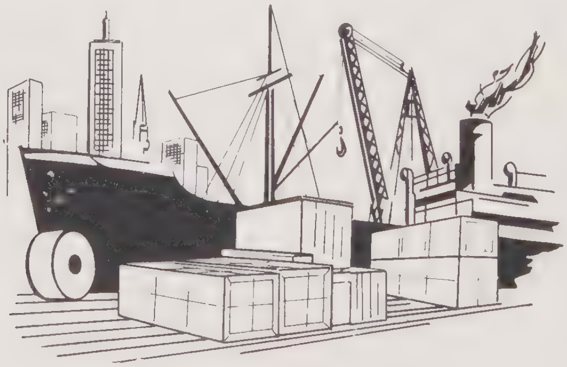
IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1961 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
NONEDIBLE FISHERY PRODUCTS			
SHELLS AND BUTTONS:			
SHELLS, UNMANUFACTURED:			
MOTHER-OF-PEARL AND TROCUS SHELL	1,000 POUNDS	1,344	630
OTHER	DO	3,348	329
SHELL AND MOTHER-OF-PEARL, ORNAMENTED	-	-	307
OCEAN AND FRESH-WATER PEARL OR SHELL BUTTONS AND BLANKS	1,000 GROSS	567	485
PEARLS:			
CULTURED	-	-	16,425
NATURAL	-	-	500
TOTAL PEARLS	-	-	16,925
AMBERGRIS	1,000 POUNDS	(3)	14
SPERMACETI WAX	DO	238	52
AQUATIC LEATHERS:			
FISH AND SHARK SKINS, RAW OR SALTED	DO	882	67
SEAL SKINS:			
RAW (NOT FUR SKINS)	DO	31	26
FUR SKINS	1,000 PIECES	27	162
WALRUS LEATHER	1,000 POUNDS	7	12
REPTILE SKINS (RAW)	1,000 PIECES	4,291	2,931
REPTILIAN AND SHARK SKIN PRODUCTS	-	-	6,321
MOSS AND SEAWEEDS	-	-	400
KELP	1,000 POUNDS	37,178	215
AGAR-AGAR	DO	505	871
SODIUM ALGINATE	DO	396	278
SPONGES:			
SHEEPSWOOL	DO	12	62
YELLOW, GRASS OR VELVET	DO	10	44
HARDHEAD, REEF AND OTHER	DO	76	713
TOTAL SPONGES	DO	98	819
CORAL, UNCUT, UNMANUFACTURED	DO	366	46
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	61,301
GRAND TOTAL	-	-	397,058

1/ INCLUDES BUREAU OF CUSTOMS DATA ON IMPORTS OF FRESH HERRING INTO MAINE, WHICH AMOUNTED TO 43,903,745 POUNDS. BUREAU OF THE CENSUS DATA, WHICH DID NOT INCLUDE MOST ENTRIES VALUED AT LESS THAN $250 AMOUNTED TO 10,339,383 POUNDS. 2/ INCLUDES BLOCKS OF BITS AND PIECES. 3/ LESS THAN 500 UNITS OR DOLLARS.

NOTE:--THE DATA INCLUDE IMPORTS INTO UNITED STATES TERRITORIES AND POSSESSIONS. IMPORTS OF FRESH AND FROZEN "OTHER TUNA" INCLUDE 10,586,000 POUNDS OF SKIPJACK, AND 7,958,000 POUNDS OF YELLOWFIN TUNA LANDED BY UNITED STATES FLAG VESSELS IN SOUTH AMERICA AND TRANSHIPPED TO CALIFORNIA. THIS CATCH HAS NOT BEEN INCLUDED IN CALIFORNIA CATCH STATISTICS.



IMPORTS OF FRESH AND FROZEN TUNA, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	ALBACORE		OTHER TUNA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MEXICO	-	-	3,495	255	3,495	255
TRINIDAD	658	84	10,858	1,158	11,516	1,242
ECUADOR.	-	-	6,945	648	6,945	648
PERU	-	-	6,683	418	6,683	418
TAIWAN	47	6	978	130	1,025	136
JAPAN.	50,569	8,544	66,711	9,462	117,280	18,006
AUSTRALIA.	-	-	1,186	157	1,186	157
BRITISH WESTERN PACIFIC ISLANDS . . .	9,783	1,713	6,125	986	15,908	2,699
WESTERN AFRICA	2,527	378	6,511	787	9,038	1,165
GHANA.	-	-	4,488	421	4,488	421
BRITISH WEST AFRICA. .	8,298	1,108	10,940	1,138	19,238	2,246
OTHER COUNTRIES. . . .	63	10	262	34	325	44
TOTAL	71,945	11,843	125,182	15,594	197,127	27,437

NOTE:--PRINCIPALLY FROZEN.

IMPORTS OF FROZEN COOKED LOINS AND DISCS, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	ALBACORE		OTHER TUNA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
JAPAN.	3,122	1,127	5,072	1,626	8,194	2,753
OTHER COUNTRIES (ECUADOR, PERU, NORWAY)			154	38	154	38
TOTAL	3,122	1,127	5,226	1,664	8,348	2,791

IMPORTS OF FILLETS, STEAKS, ETC., 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
GROUNDFISH AND OCEAN PERCH (INCLUDING BLOCKS OR SLABS OF PIECES):		
GREENLAND.	3,845	775
CANADA	118,981	25,875
ICELAND.	44,431	10,217
NORWAY	9,758	2,077
DENMARK.	10,662	2,162
WEST GERMANY	5,323	1,079
REPUBLIC OF SOUTH AFRICA	760	103
OTHER COUNTRIES.	1,339	307
TOTAL	195,099	42,595
OTHER THAN GROUNDFISH:		
GREENLAND.	570	143
CANADA	35,011	12,844
MEXICO	2,574	724
ICELAND.	2,734	819
NORWAY	1,555	338
WEST GERMANY	1,187	303
JAPAN.	20,796	7,694
OTHER COUNTRIES.	2,740	728
TOTAL	67,167	23,593
GRAND TOTAL	262,266	66,188

IMPORTS OF CANNED TUNA IN BRINE, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	ALBACORE		OTHER TUNA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ECUADOR.	-	-	3,094	874	3,094	874
PERU	48	12	1,516	374	1,564	386
SPAIN.	525	209	79	28	604	237
PORTUGAL	635	179	2,923	760	3,558	939
YUGOSLAVIA	-	-	369	96	369	96
JAPAN.	27,187	11,269	19,362	7,487	46,549	18,756
WESTERN AFRICA	15	5	401	122	416	127
ANGOLA	444	125	1,065	295	1,509	420
OTHER COUNTRIES. . . .	262	83	307	85	569	168
TOTAL	29,116	11,882	29,116	10,121	58,232	22,003

NOTE:--TUNA CANNED IN OIL FROM VARIOUS COUNTRIES AMOUNTED TO 431,000 POUNDS, VALUED AT $172,000.

IMPORTS OF CANNED BONITO AND YELLOWTAIL, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	IN OIL		IN BRINE	
	QUANTITY	VALUE	QUANTITY	VALUE
PERU	6,512	1,628	3,439	777
OTHER COUNTRIES.	341	124	64	24
TOTAL	6,853	1,752	3,503	801

IMPORTS OF FISH MEAL AND SCRAP, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
CANADA	38	3,560
PERU	151	11,162
CHILE.	12	891
ANGOLA	2	77
REPUBLIC OF SOUTH AFRICA	13	916
OTHER COUNTRIES.	2	134
TOTAL	218	16,740

IMPORTS OF FRESH AND FROZEN LOBSTER AND SPINY LOBSTER, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
CANADA	21,299	14,571
MEXICO	1,480	1,276
BAHAMAS	2,091	941
CUBA	1,442	1,373
BRAZIL	3,627	3,050
AUSTRALIA	8,028	10,244
NEW ZEALAND	2,101	2,280
REPUBLIC OF SOUTH AFRICA	9,692	11,531
OTHER COUNTRIES	4,149	3,773
TOTAL	53,909	49,039

IMPORTS OF SHRIMP, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
MEXICO	79,181	40,094
EL SALVADOR	8,093	5,505
COSTA RICA	1,321	736
PANAMA	9,892	6,521
COLOMBIA	1,873	1,237
VENEZUELA	2,469	1,115
BRITISH GUIANA	3,506	2,305
ECUADOR	4,684	2,986
IRAN	1,953	548
INDIA	3,220	1,630
PAKISTAN	1,686	734
JAPAN	1,823	1,201
EGYPT	1,650	961
OTHER COUNTRIES	4,917	2,965
TOTAL	126,268	68,538

NOTE:--PRINCIPALLY FROZEN.

IMPORTS OF CANNED SARDINES IN OIL, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
VENEZUELA	937	201
NORWAY	16,110	6,486
DENMARK	1,655	609
SPAIN	215	63
PORTUGAL	7,537	2,902
MOROCCO	809	235
OTHER COUNTRIES	614	240
TOTAL	27,877	10,736

IMPORTS OF CANNED SARDINES WITHOUT OIL, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
MEXICO	1,210	132
NORWAY	520	121
DENMARK	187	39
NETHERLANDS	226	34
JAPAN	224	42
REPUBLIC OF SOUTH AFRICA	12,108	1,413
OTHER COUNTRIES	136	26
TOTAL	14,611	1,807

UNITED STATES IMPORTS OF FISHERY PRODUCTS, BY COUNTRY OF ORIGIN, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY	EDIBLE		NONEDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
NORTH AMERICA:				
GREENLAND	4,569	1,007	-	1,007
CANADA	377,400	102,672	5,363	108,035
MIQUELON AND ST. PIERRE ISLANDS	3,714	898	34	932
MEXICO	97,818	45,575	191	45,766
GUATEMALA	749	409	17	426
BRITISH HONDURAS	380	284	26	310
EL SALVADOR	8,099	5,510	-	5,510
HONDURAS	291	191	39	230
NICARAGUA	1,046	422	8	430
COSTA RICA	2,044	1,370	3	1,373
REPUBLIC OF PANAMA	10,066	6,678	29	6,707
CANAL ZONE	3	1	-	1
BERMUDA	2	1	-	1
BAHAMAS	2,126	947	13	960
CUBA	1,848	1,702	96	1,798
JAMAICA	343	70	20	90
HAITI	78	64	8	72
DOMINICAN REPUBLIC	4	1	-	1
LEEWARD AND WINDWARD ISLANDS	51	5	-	5
TRINIDAD AND TABAGO	11,531	1,252	31	1,283
NETHERLANDS ANTILLES	10	4	-	4
TOTAL	522,172	169,063	5,878	174,941
SOUTH AMERICA:				
COLOMBIA	1,924	1,264	346	1,610
VENEZUELA	3,439	1,326	44	1,370
BRITISH GUIANA	3,516	2,310	45	2,355
SURINAM	465	288	1	289
ECUADOR	14,911	4,619	-	4,619
PERU	18,934	3,576	13,153	16,729
BOLIVIA	-	-	83	83
CHILE	1,322	888	1,201	2,089
BRAZIL	3,667	3,079	1,996	5,075
PARAGUAY	-	-	43	43
URUGUAY	-	-	35	35
ARGENTINA	453	106	587	693
TOTAL	48,631	17,456	17,534	34,990
EUROPE:				
ICELAND	47,700	11,141	387	11,528
SWEDEN	1,894	538	1	539
NORWAY	50,604	13,632	1,469	15,101
DENMARK	17,418	5,234	12	5,246
UNITED KINGDOM	4,882	1,096	1,213	2,309
IRELAND	234	45	7	52
NETHERLANDS	3,558	997	739	1,736
BELGIUM AND LUXEMBOURG	173	59	21	80
FRANCE	3,532	1,013	1,075	2,088
WEST GERMANY	8,346	1,875	2,285	4,160
AUSTRIA	-	-	818	816
HUNGARY	-	-	(1)	(1)
SWITZERLAND	-	-	134	134
FINLAND	2	(1)	-	(1)
POLAND AND DANZIG	45	10	-	10
UNION OF SOVIET SOCIALIST REPUBLIC	59	194	-	194
AZORES	252	65	-	65
SPAIN	6,207	1,745	129	1,874
PORTUGAL	17,152	6,288	237	6,525
ITALY	831	438	285	723
FREE TERRITORY OF TRIESTE	41	16	(1)	16
YUGOSLAVIA	470	128	(1)	128
GREECE	55	29	611	640
RUMANIA	40	32	-	32
TURKEY	31	12	40	52
TOTAL	163,526	44,587	9,463	54,050

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES IMPORTS OF FISHERY PRODUCTS, BY COUNTRY OF ORIGIN, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY	EDIBLE		NONEDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
ASIA:				
LEBANON	-	-	57	57
IRAN	2,860	1,292	25	1,317
ISRAEL	-	-	(1)	(1)
JORDON	-	-	(1)	(1)
KUWAIT	194	72	-	72
SAUDI ARABIA	-	-	(1)	(1)
ARABIA PENINSULA STATES	-	-	8	8
ADEN	-	-	15	15
INDIA	3,833	1,947	830	2,777
PAKISTAN	1,715	748	23	771
CEYLON	-	-	2	2
BURMA	-	-	1	1
THAILAND	36	20	43	63
VIET-NAM	115	47		47
FEDERATION OF MALAYA	-	-	82	82
COLONY OF SINGAPORE	(1)	(1)	77	77
REPUBLIC OF INDONESIA	-	-	38	38
REPUBLIC OF THE PHILIPPINES	206	45	432	477
REPUBLIC OF KOREA	180	109	178	287
HONG KONG	953	811	126	937
TAIWAN	1,068	155	173	328
JAPAN	226,473	64,711	23,552	88,263
NANSEI AND NANPO ISLANDS	295	50	2	52
TOTAL	237,928	70,007	25,664	95,671
AUSTRALIA AND OCEANIA:				
AUSTRALIA	9,273	10,434	423	10,857
NEW GUINEA	-	-	2	2
NEW ZEALAND	2,154	2,292	26	2,318
BRITISH WESTERN PACIFIC ISLANDS	16,301	2,800	(1)	2,800
FRENCH PACIFIC ISLANDS	-	-	32	32
TOTAL	27,728	15,526	483	16,009
AFRICA:				
MOROCCO	943	384	408	792
ALGERIA	1	2	3	5
TUNISIA	32	6	18	24
LIBYA	-	-	2	2
UNITED ARAB REPUBLIC (EGYPT REGION)	1,681	981	29	1,010
SUDAN	-	-	4	4
CANARY ISLANDS	23	6	-	6
FRENCH EQUATORIAL AFRICA	-	-	47	47
WESTERN AFRICA - N.E.C.	9,454	1,292	27	1,319
GHANA	4,488	421	4	425
NIGERIA	-	-	266	266
BRITISH WEST AFRICA	19,238	2,246	1	2,247
ANGOLA	1,509	420	79	499
WESTERN PORTUGUESE AFRICA	12	3	40	43
REPUBLIC OF THE CONGO	40	9	1	10
SOMALILAND	-	-	(1)	(1)
ETHIOPIA	-	-	1	1
FRENCH SOMALILAND	-	-	6	6
SEYCHELLES	-	-	5	5
BRITISH EAST AFRICA	14	8	92	100
MOZAMBIQUE	57	52	53	105
REPUBLIC OF SOUTH AFRICA	24,185	13,288	1,180	14,468
FEDERATION OF RHODESIA AND NYASALAND	-	-	13	13
TOTAL	61,677	19,118	2,279	21,397
GRAND TOTAL	1,061,662	335,757	61,301	397,058

1/ LESS THAN 500 POUNDS OR $500.

UNITED STATES EXPORTS OF FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY	EDIBLE		NONEDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
NORTH AMERICA:				
CANADA	10,185	6,399	3,867	10,266
MEXICO	229	123	336	459
GUATEMALA	511	129	1	130
BRITISH HONDURAS	102	26	-	26
EL SALVADOR	878	189	20	209
HONDURAS	135	30	(1)	30
NICARAGUA	473	91	-	91
COSTA RICA	895	184	1	185
REPUBLIC OF PANAMA	615	163	84	247
CANAL ZONE	31	17	1	18
BERMUDA	191	131	8	139
BAHAMAS	198	117	7	124
CUBA	4	-	-	-
JAMAICA	583	210	15	225
HAITI	9	4	(1)	4
DOMINICAN REPUBLIC	19	5	1	6
LEEWARD AND WINDWARD ISLANDS	16	9	-	9
BARBADOS	11	6	(1)	6
TRINIDAD AND TOBAGO	63	51	7	58
NETHERLANDS ANTILLES	266	172	1	173
FRENCH WEST INDIES	3	1	-	1
TOTAL	15,417	8,057	4,349	12,406
SOUTH AMERICA:				
COLOMBIA	17	5	5	10
VENEZUELA	496	333	27	360
BRITISH GUIANA	20	10	-	10
SURINAM	139	33	1	34
ECUADOR	443	81	(1)	81
PERU	43	22	3	25
BOLIVIA	30	6	-	6
CHILE	51	53	4	57
BRAZIL	2	2	45	47
PARAGUAY	(1)	(1)	13	13
URUGUAY	2	2	1	3
ARGENTINA	49	13	53	66
TOTAL	1,292	560	152	712
EUROPE:				
ICELAND	27	3	-	3
SWEDEN	273	298	1,367	1,665
NORWAY	16	13	2,378	2,391
DENMARK	117	135	17	152
UNITED KINGDOM	5,077	3,865	689	4,554
NETHERLANDS	841	617	1,768	2,385
BELGIUM AND LUXEMBOURG	389	220	131	351
FRANCE	772	588	421	1,009
WEST GERMANY	336	258	1,297	1,555
AUSTRIA	-	-	19	19
CZECHOSLOVAKIA	-	-	27	27
SWITZERLAND	159	125	612	737
FINLAND	4	3	-	3
POLAND AND DANZIG	(1)	1	-	1
UNION OF SOVIET SOCIALIST REPUBLIC	-	-	1	1
SPAIN	-	-	4	4
PORTUGAL	16	7	1	8
GIBRALTAR	2	1	-	1
MALTA, GOZO, AND CYPRESS	23	3	-	3
ITALY	114	32	370	402
YUGOSLAVIA	-	-	2	2
GREECE	3,139	360	4	364
TURKEY	2	1	4	5
TOTAL	11,307	6,530	9,112	15,642

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES EXPORTS OF FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY	EDIBLE		NONEDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
ASIA:				
LEBANON	34	23	1	24
IRAQ	5	4	-	4
IRAN	27	18	10	28
ISRAEL	7	4	24	28
JORDON	2	2	1	3
KUWAIT	19	14	-	14
SAUDI ARABIA	46	33	-	33
ARABIA PENINSULA STATES	4	4	-	4
STATE OF BAHREIN	15	11	-	11
AFGHANISTAN	1	1	-	1
INDIA	1	1	(1)	1
PAKISTAN	(1)	(1)	-	(1)
CEYLON	1	(1)	-	(1)
BURMA	12	8	-	8
THAILAND	47	17	7	24
VIET-NAM	70	48	1	49
CAMBODIA	5	3	-	3
FEDERATION OF MALAYA	516	141	-	141
SINGAPORE	331	218	18	236
REPUBLIC OF INDONESIA	1,994	12	3	15
REPUBLIC OF THE PHILIPPINES	1,039	494	87	581
HONG KONG	719	356	12	368
TAIWAN	2	1	-	1
JAPAN	2,406	1,701	1,283	2,984
NANSEI AND NANPO ISLANDS	44	37	1	38
TOTAL	7,347	3,151	1,448	4,599
AUSTRALIA AND OCEANIA:				
AUSTRALIA	664	428	30	458
NEW ZEALAND	974	159	5	164
NEW GUINEA	334	44	-	44
BRITISH WESTERN AND PACIFIC ISLANDS	276	40	-	40
FRENCH PACIFIC ISLANDS	360	77	-	77
TRUST TERRITORY OF THE PACIFIC ISLANDS	223	47	-	47
TOTAL	2,831	795	35	830
AFRICA:				
ALGERIA	9	11	-	11
LIBYA	9	9	(1)	9
UNITED ARAB REPUBLIC (EGYPT REGION)	14	8	2	10
CANARY ISLANDS	1	1	-	1
GHANA	300	53	1	54
NIGERIA	32	4	1	5
BRITISH WEST AFRICA	8	4	-	4
ANGOLA	105	18	-	18
WESTERN AFRICA - N.E.C.	38	8	-	8
LIBERIA	304	95	-	95
REPUBLIC OF THE CONGO	782	146	-	146
SOMALILAND	1	(1)	-	(1)
ETHIOPIA	1	1	-	1
MAURITIUS	(1)	(1)	-	(1)
BRITISH EAST AFRICA	4	4	1	5
MOZAMBIQUE	5	4	-	4
UNION OF SOUTH AFRICA	258	73	15	88
FEDERATION OF RHODESIA AND NYASALAND	72	62	-	62
TOTAL	1,943	501	20	521
GRAND TOTAL	40,137	19,594	15,116	34,710

1/ LESS THAN 500 POUNDS OR $500.

AGE OF FISHING VESSELS

In connection with compiling statistics on the fisheries for 1961, there was assembled, for the first time, information on the age of the United States fishing fleet. The data revealed that a vessel built in 1865 was fishing commercially nearly 100 years later. The vessel, presently named Virginia, operating out of Tampa, Florida, was constructed by a Fish River, Alabama builder about the end of the War between the States.

The figures reveal that the Chesapeake sail dredge vessels are the oldest fishing fleet in the United States. The average sail dredger working in Chesapeake Bay was built in 1911. Eighty percent of these craft were built before World War I.

The menhaden fleet of the Gulf of Mexico was found to be built most recently--the average vessel in this rapidly expanding fishery having been built in 1951. The shrimp fleet of the South Atlantic and Gulf followed closely as the average year built for these vessels was 1949.

Few New England otter trawl vessels have been built in recent years. The oldest of the large trawlers operating in 1961 was constructed in 1928, while the average for the entire fleet is 1940. No large otter trawler, operating in 1961, had been built since 1953. The average medium trawler fishing North Atlantic waters was built in 1941. Small trawlers are even older--the average vessel having been built in 1938.

Forty-four percent of the total United States catch in 1961 was made by 180 menhaden vessels operating off the Atlantic and Gulf coasts. While the fleet operating in the Gulf of Mexico is of most recent construction (the average vessel having been built in 1951), the average menhaden seiner operating in the Chesapeake Bay was built in 1915.

When assembling data on the age of vessels, it was found that the year built for 99 of the 11,964 vessels operated in 1961 could not be determined from Bureau of Customs records or other sources. In most instances, these were former undertonnage craft that had been remeasured and found to be of 5 net tons capacity or greater, vessels obtained by commercial fishermen from the Armed Services or other Government agencies, or salvaged craft that had been redocumented. Frequently, the year built is not known for vessels in these categories.

There follow tabulations, covering vessels operated in 1961, on the year built, by regions for individual fisheries. The data have been presented in considerable detail to provide bench-mark information for similar studies that may be made in the future.

AGE DISTRIBUTION OF UNITED STATES FISHING VESSELS, 1865-1961

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1865. . .	-	-	-	-	1	-	-	-	1
1872. . .	-	2	-	-	-	-	-	-	2
1873. . .	-	1	-	-	-	-	-	-	1
1874. . .	-	-	-	-	1	-	-	-	1
1875. . .	1	1	1	-	-	-	-	-	1
1876. . .	-	1	-	-	-	-	-	-	1
1877. . .	-	1	1	-	-	-	-	-	2
1881. . .	-	1	1	-	-	-	-	-	2
1882. . .	-	1	2	-	-	-	-	-	3
1883. . .	-	2	2	-	-	-	-	-	4
1884. . .	-	-	1	-	1	-	-	-	2
1886. . .	1	-	1	-	-	-	-	-	2
1887. . .	-	3	-	-	-	-	-	-	3
1888. . .	-	1	1	-	1	-	-	-	3
1889. . .	-	-	3	-	-	-	-	-	3
1890. . .	1	-	1	-	-	-	-	-	2
1891. . .	-	-	3	-	2	1	-	-	6
1892. . .	-	1	1	-	1	-	-	-	3
1893. . .	-	1	2	-	1	1	-	-	5
1894. . .	1	-	-	1	-	1	-	-	3

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

AGE DISTRIBUTION OF UNITED STATES FISHING VESSELS, 1865-1961 - Continued

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1896. . .	-	1	2	-	2	-	-	-	5
1897. . .	-	2	2	1	-	-	-	-	3
1898. . .	-	-	4	1	-	-	-	-	5
1899. . .	1	1	4	1	2	-	-	-	9
1900. . .	3	1	3	-	3	2	-	-	12
1901. . .	2	4	14	2	4	1	-	-	27
1902. . .	3	10	5	-	1	1	-	-	20
1903. . .	1	4	4	-	3	5	-	-	17
1904. . .	1	3	7	-	4	2	1	-	18
1905. . .	-	5	4	-	8	3	-	-	20
1906. . .	3	6	5	1	4	4	-	-	23
1907. . .	2	4	6	-	-	14	-	-	26
1908. . .	-	1	5	1	-	12	-	-	19
1909. . .	-	5	6	-	4	13	-	-	28
1910. . .	3	6	5	-	-	14	1	-	29
1911. . .	-	6	8	3	1	18	1	-	37
1912. . .	1	3	8	2	6	40	1	-	61
1913. . .	2	7	8	2	2	48	1	-	69
1914. . .	3	2	7	2	2	36	1	-	53
1915. . .	-	1	6	2	5	57	1	-	72
1916. . .	-	1	7	1	2	30	1	-	42
1917. . .	9	8	7	1	5	92	-	-	113
1918. . .	4	8	7	2	6	85	-	-	108
1919. . .	1	3	5	2	2	57	2	-	70
1920. . .	-	6	8	4	4	80	2	-	103
1921. . .	3	4	3	5	3	25	3	-	46
1922. . .	4	5	10	3	3	22	2	-	48
1923. . .	5	4	16	8	9	22	1	-	64
1924. . .	13	11	13	6	21	47	2	-	113
1925. . .	17	8	13	8	27	67	5	-	140
1926. . .	14	6	9	4	15	85	8	3	143
1927. . .	11	12	17	15	11	105	4	1	173
1928. . .	22	12	10	8	17	139	4	5	214
1929. . .	27	12	13	11	29	96	9	3	195
1930. . .	24	13	14	11	20	70	8	2	155
1931. . .	17	10	12	11	15	43	8	1	114
1932. . .	12	5	10	8	5	24	6	-	69
1933. . .	7	4	7	8	7	13	7	-	53
1934. . .	8	2	23	12	11	32	11	-	98
1935. . .	3	4	16	16	22	72	22	1	155
1936. . .	16	13	26	18	39	59	28	-	192
1937. . .	22	10	22	14	56	77	14	1	215
1938. . .	11	11	23	14	50	77	18	4	202
1939. . .	14	6	23	14	30	108	11	-	202
1940. . .	14	10	30	8	46	99	15	2	222
1941. . .	32	8	18	16	39	110	8	1	226
1942. . .	22	25	17	27	44	143	6	-	266
1943. . .	30	25	24	32	71	122	8	1	292
1944. . .	51	15	32	44	85	220	15	1	448
1945. . .	53	30	46	42	101	241	32	-	522
1946. . .	45	34	58	86	144	268	44	13	680
1947. . .	35	19	50	70	148	248	28	17	599
1948. . .	17	16	50	56	179	171	37	1	514
1949. . .	16	20	50	68	101	185	14	2	446
1950. . .	10	18	32	28	128	134	16	1	360
1951. . .	15	13	27	41	126	173	13	-	386
1952. . .	17	12	37	20	141	178	7	-	400
1953. . .	11	17	40	29	251	109	5	3	452
1954. . .	7	18	48	54	252	59	4	-	412
1955. . .	7	7	30	46	87	98	6	1	265
1956. . .	11	11	74	62	126	70	3	-	323
1957. . .	9	16	70	68	219	80	3	-	422
1958. . .	8	6	43	72	284	53	11	-	434
1959. . .	12	7	60	44	109	65	8	-	290
1960. . .	7	5	30	16	66	51	3	-	171
1961. . .	9	1	14	20	40	22	-	1	105
UNKNOWN .	7	3	23	13	12	41	-	-	99
TOTAL .	738	602	1,350	1,185	3,267	4,740	469	[illegible]	11,964

1/ INCLUDES SAILING VESSELS.
NOTE:--THERE ARE NO MOTOR VESSELS ENGAGED IN COMMERCIAL FISHING IN THE MISSISSIPPI RIVER STATES.
SOURCE:--DEPARTMENT OF COMMERCE, BUREAU OF CUSTOMS.

NEW ENGLAND FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED							
	STOP SEINES	PURSE SEINES					OTTER TRAWLS, FISH	POUND NETS
		HERRING	MACKEREL	MENHADEN	TUNA	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	-	-	-	-	-	1	-
1899.	-	-	-	-	-	-	1	-
1900.	-	-	-	-	-	-	2	-
1901.	-	-	-	-	-	-	1	-
1902.	-	-	-	-	-	-	1	-
1903.	-	-	-	-	-	-	1	-
1906.	-	-	-	-	-	-	1	-
1907.	-	-	-	-	-	-	1	-
1910.	-	-	-	-	-	-	1	-
1912.	1	-	-	-	-	-	-	-
1913.	-	-	-	-	-	-	2	-
1914.	-	-	-	-	-	-	1	-
1917.	-	-	-	-	-	2	8	-
1918.	-	-	-	-	-	-	4	-
1919.	-	-	-	-	-	-	1	-
1921.	-	-	-	-	-	-	2	-
1922.	1	-	-	-	-	-	3	-
1923.	-	-	-	-	-	-	3	-
1924.	-	-	-	-	-	-	11	-
1925.	-	-	-	-	-	-	14	-
1926.	-	-	-	-	-	-	11	-
1927.	1	-	-	-	-	-	7	-
1928.	-	-	-	-	-	-	21	-
1929.	1	-	-	-	-	-	21	-
1930.	-	-	-	-	-	2	15	-
1931.	2	-	-	-	-	-	12	-
1932.	-	-	-	-	-	-	6	-
1933.	-	-	-	-	-	-	4	-
1934.	1	-	-	-	-	-	5	-
1935.	1	-	-	-	-	-	1	-
1936.	2	-	-	-	-	-	12	-
1937.	1	-	-	-	-	-	15	-
1938.	-	-	-	-	-	-	5	1
1939.	-	-	-	-	-	-	6	-
1940.	-	-	-	-	-	-	10	-
1941.	-	-	-	-	-	-	25	-
1942.	1	-	-	-	-	-	20	-
1943.	1	-	-	2	-	-	26	-
1944.	-	-	-	-	-	-	41	-
1945.	1	-	-	-	-	-	41	-
1946.	-	-	-	1	-	-	40	-
1947.	1	-	-	1	-	-	29	-
1948.	1	-	-	-	-	-	13	-
1949.	2	1	-	-	-	-	11	-
1950.	1	-	-	-	-	-	5	-
1951.	-	-	-	1	-	-	13	-
1952.	-	-	-	1	-	-	13	-
1953.	-	-	-	-	-	-	5	-
1954.	-	-	1	-	1	1	5	-
1955.	-	-	-	-	-	-	5	-
1956.	-	-	-	-	-	-	10	-
1957.	-	-	-	-	-	-	6	-
1958.	1	-	-	-	-	-	3	1
1959.	-	-	-	1	-	-	5	-
1960.	-	-	-	-	-	-	1	-
1961.	-	-	-	-	1	-	4	-
UNKNOWN	-	-	-	-	-	-	6	-
TOTAL	20	1	1	7	2	5	537	2

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHING VESSELS, 1961
BY YEAR BUILT - Continued

YEAR	GEAR OPERATED							
	FLOATING TRAPS	POTS AND TRAPS		GILL NETS		LINES		
		LOBSTER	OTHER	ANCHOR, SET OR STAKE	DRIFT	HAND	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1894.	1	-	-	-	-	-	-	-
1900.	-	1	-	-	-	-	-	-
1901.	1	-	-	-	-	-	-	-
1910.	-	1	-	-	-	-	-	-
1917.	-	1	-	-	-	-	-	-
1921.	-	1	1	-	-	-	-	-
1925.	1	-	-	2	-	-	-	-
1926.	2	-	-	1	-	-	-	-
1927.	-	-	-	2	-	-	-	1
1928.	-	-	-	-	-	-	-	1
1929.	-	2	-	1	-	-	-	-
1930.	-	2	-	2	-	-	-	1
1931.	-	2	-	-	-	2	-	-
1932.	-	5	-	-	-	-	-	-
1933.	-	2	-	1	-	-	-	1
1934.	-	2	-	-	-	-	-	-
1935.	-	-	-	-	-	-	-	1
1936.	-	1	-	1	-	-	-	-
1937.	-	2	-	-	1	1	-	1
1938.	-	1	-	-	-	1	-	-
1939.	1	3	-	1	-	-	-	-
1940.	-	2	-	-	-	2	-	-
1941.	-	1	-	-	-	-	-	-
1942.	-	-	-	-	-	1	-	-
1945.	-	1	-	-	-	1	-	1
1946.	-	3	-	1	2	-	-	-
1947.	-	1	-	-	-	-	-	-
1948.	-	-	-	-	-	1	-	-
1949.	1	1	1	-	-	-	-	-
1950.	-	1	-	-	-	1	1	-
1951.	-	-	-	-	-	-	-	1
1952.	-	2	-	-	-	-	-	-
1953.	-	1	-	-	-	-	2	-
1954.	-	-	-	-	-	-	-	1
1955.	-	-	-	-	-	-	-	1
1957.	-	-	-	-	1	1	-	1
1958.	-	1	-	-	-	-	1	-
1959.	-	1	-	-	-	3	-	1
1960.	-	2	-	-	-	1	-	-
1961.	-	-	-	-	-	2	1	-
UNKNOWN	-	-	-	-	-	1	-	-
TOTAL	7	43	2	12	4	18	5	12

YEAR	GEAR OPERATED						TOTAL, EXCLUSIVE OF DUPLICATION
	HARPOONS		DREDGES				
	SWORDFISH	OTHER	CLAM	MUSSEL	OYSTER	SCALLOP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	-	-	-	-	-	1
1886.	-	-	-	-	1	-	1
1890.	-	-	-	-	-	1	1
1894.	-	-	-	-	-	-	1
1899.	-	-	-	-	-	-	1

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHING VESSELS, 1961
BY YEAR BUILT - Continued

YEAR	GEAR OPERATED						TOTAL, EXCLUSIVE OF DUPLICATION
	HARPOONS		DREDGES				
	SWORDFISH	OTHER	CLAM	MUSSEL	OYSTER	SCALLOP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1900.	-	-	1	-	-	-	3
1901.	-	-	-	-	-	-	2
1902.	-	-	1	-	2	-	3
1903.	-	-	-	-	-	-	1
1904.	-	-	1	-	-	-	1
1906.	-	-	2	-	-	-	3
1907.	-	-	-	-	1	-	2
1910.	-	-	1	-	1	-	3
1912.	-	-	-	-	-	-	1
1913.	-	-	-	-	-	-	2
1914.	-	-	1	-	1	-	3
1917.	-	-	-	-	-	-	9
1918.	1	-	-	-	-	1	4
1919.	1	-	-	-	-	-	1
1921.	1	-	1	-	-	-	3
1922.	1	-	-	-	-	-	4
1923.	-	-	2	-	-	-	5
1924.	-	-	1	-	1	-	13
1925.	-	-	-	-	-	-	17
1926.	-	-	-	-	-	-	14
1927.	-	-	-	-	-	1	11
1928.	1	-	-	-	-	1	22
1929.	1	-	-	-	-	2	27
1930.	-	-	-	-	-	3	24
1931.	-	-	-	-	-	-	17
1932.	-	-	-	-	1	-	12
1933.	1	-	-	-	-	1	7
1934.	-	-	-	-	-	-	8
1935.	-	-	-	-	-	-	3
1936.	-	-	-	-	-	3	16
1937.	-	-	1	-	-	2	22
1938.	-	-	1	-	-	2	11
1939.	2	-	1	-	-	4	14
1940.	-	-	-	-	-	3	14
1941.	-	-	-	-	-	8	32
1942.	-	-	-	-	-	-	22
1943.	2	-	-	-	-	4	30
1944.	2	-	-	-	-	11	51
1945.	4	-	-	-	-	11	53
1946.	3	-	-	-	1	1	45
1947.	3	-	-	-	1	4	35
1948.	1	-	1	-	1	1	17
1949.	2	-	1	-	-	-	16
1950.	-	-	-	-	-	2	10
1951.	-	-	1	-	-	2	15
1952.	-	-	-	-	-	2	17
1953.	-	1	-	-	-	2	11
1954.	-	-	-	-	-	-	7
1955.	2	-	-	-	-	1	7
1956.	-	-	-	-	-	2	11
1957.	-	-	-	-	-	2	9
1958.	1	-	-	-	-	1	8
1959.	1	-	-	1	-	2	12
1960.	1	-	-	-	-	3	7
1961.	-	1	-	-	-	1	9
UNKNOWN	1	-	-	-	-	-	7
TOTAL	32	2	17	1	11	84	738

NOTE:--THE NEW ENGLAND STATES INCLUDE MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, AND CONNECTICUT.

NEW ENGLAND OTTER TRAWL FLEET, 1961 - BY YEAR BUILT

	SIZE OF VESSELS 1/			TOTAL
	SMALL	MEDIUM	LARGE	
	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	1	-	1
1899.	-	1	-	1
1900.	1	1	-	2
1901.	1	-	-	1
1902.	1	-	-	1
1903.	1	-	-	1
1906.	1	-	-	1
1907.	1	-	-	1
1910.	1	-	-	1
1913.	2	-	-	2
1914.	1	-	-	1
1917.	2	6	-	8
1918.	3	1	-	4
1919.	1	-	-	1
1921.	2	-	-	2
1922.	2	1	-	3
1923.	3	-	-	3
1924.	11	-	-	11
1925.	12	2	-	14
1926.	10	1	-	11
1927.	5	2	-	7
1928.	13	4	4	21
1929.	10	7	4	21
1930.	6	8	1	15
1931.	6	6	-	12
1932.	4	2	-	6
1933.	4	-	-	4
1934.	2	-	3	5
1935.	1	-	-	1
1936.	4	5	3	12
1937.	6	3	6	15
1938.	1	2	2	5
1939.	3	3	-	6
1940.	5	4	1	10
1941.	4	18	3	25
1942.	5	12	3	20
1943.	16	8	2	26
1944.	19	18	4	41
1945.	20	17	4	41
1946.	23	15	2	40
1947.	17	7	5	29
1948.	13	-	-	13
1949.	7	3	1	11
1950.	5	-	-	5
1951.	8	4	1	13
1952.	5	4	4	13
1953.	4	-	1	5
1954.	1	4	-	5
1955.	3	2	-	5
1956.	6	4	-	10
1957.	2	4	-	6
1958.	2	1	-	3
1959.	1	4	-	5
1960.	-	1	-	1
1961.	-	4	-	4
UNKNOWN	6	-	-	6
TOTAL	293	190	54	537

1/ THE BUREAU OF COMMERCIAL FISHERIES DESIGNATES A SMALL NEW ENGLAND TRAWLER AS ONE RANGING FROM 5 GROSS TONS TO 50 GROSS TONS; MEDIUM TRAWLERS ARE THOSE FROM 51 TO 150 GROSS TONS; AND LARGE--151 GROSS TONS AND OVER.

MIDDLE ATLANTIC FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED						
	HAUL SEINES	PURSE SEINES		OTTER TRAWLS		POUND NETS	POTS AND TRAPS
		MENHADEN	OTHER	FISH	LOBSTER		CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	-	-	1	-	-	-
1877.	-	1	-	-	-	-	-
1887.	-	-	-	1	-	-	-
1888.	-	-	-	1	-	-	-
1892.	-	-	-	-	-	-	1
1897.	-	1	-	-	-	-	-
1902.	-	1	1	4	-	-	-
1903.	-	1	-	-	-	1	-
1904.	-	-	-	1	-	-	-
1906.	-	-	-	1	-	-	-
1907.	-	-	1	1	-	-	-
1909.	-	-	-	2	-	-	-
1910.	-	1	-	1	-	-	-
1911.	-	1	2	3	-	-	-
1912.	-	1	-	2	-	-	-
1913.	-	1	-	2	-	1	-
1914.	-	-	-	2	-	-	-
1915.	-	-	-	1	-	-	-
1917.	-	-	-	7	1	-	-
1918.	-	2	-	4	1	1	-
1919.	-	1	-	2	-	-	-
1920.	-	1	1	3	1	1	-
1921.	-	-	1	3	-	-	-
1922.	-	2	-	3	-	-	-
1923.	-	1	1	1	-	-	-
1924.	-	-	1	4	2	-	-
1925.	-	-	-	4	2	-	-
1926.	-	-	-	2	-	-	-
1927.	-	1	-	7	-	-	-
1928.	-	-	-	6	1	-	-
1929.	-	-	-	5	1	-	1
1930.	-	-	-	12	1	-	-
1931.	-	-	1	7	1	-	2
1932.	-	-	-	2	-	-	-
1933.	1	-	-	1	-	-	-
1934.	-	-	-	1	-	-	-
1935.	-	-	-	-	1	-	-
1936.	-	1	1	8	1	1	-
1937.	-	-	-	5	-	-	-
1938.	-	1	-	8	1	-	-
1939.	-	-	-	2	-	1	-
1940.	-	-	-	2	-	1	-
1941.	-	-	-	7	-	-	-
1942.	-	2	1	15	2	-	-
1943.	-	3	-	13	-	1	-
1944.	-	1	-	12	2	1	-
1945.	-	1	-	21	3	-	-
1946.	-	-	1	25	3	2	-
1947.	-	-	-	9	2	2	-
1948.	-	4	-	5	-	1	-
1949.	-	10	1	2	-	-	-
1950.	-	4	2	8	1	2	-
1951.	-	4	-	7	2	2	-
1952.	-	-	1	5	-	1	-
1953.	-	2	-	5	2	-	1
1954.	-	2	-	9	-	-	-
1955.	-	3	-	4	-	-	-
1956.	-	2	-	4	1	-	-
1957.	-	-	1	8	5	1	-
1958.	-	1	-	2	-	1	-
1959.	-	-	-	5	2	-	-
1960.	-	1	-	2	1	-	-
UNKNOWN	-	-	-	2	-	-	1
TOTAL	1	58	17	292	40	21	6

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHING VESSELS, 1961

BY YEAR BUILT - Continued

YEAR	GEAR OPERATED - CONTINUED						
	POTS AND TRAPS-CONTINUED		GILL NETS			LINES	
	FISH	LOBSTER	ANCHOR, SET OR STAKE	DRIFT	RUN-AROUND	HAND	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1902.	1	-	-	-	-	-	-
1909.	-	1	-	-	-	-	-
1915.	-	-	-	1	-	-	-
1924.	-	-	-	1	-	-	-
1926.	1	1	-	2	-	1	-
1928.	-	1	-	-	-	-	-
1929.	-	-	1	3	1	-	-
1930.	-	-	-	1	-	-	1
1933.	-	-	-	1	1	-	-
1934.	-	-	-	1	-	-	1
1935.	-	-	-	1	-	-	-
1936.	-	-	-	1	-	1	1
1937.	-	1	-	-	1	-	-
1938.	-	-	-	-	-	-	1
1939.	-	1	-	-	-	-	-
1940.	-	1	1	1	2	-	1
1941.	-	1	-	-	-	-	-
1942.	-	-	-	1	-	1	-
1943.	1	-	-	-	-	-	2
1944.	-	-	1	1	-	-	-
1945.	1	1	-	1	-	-	-
1946.	-	-	-	-	-	1	-
1947.	2	1	-	2	1	2	-
1948.	-	-	-	4	-	1	4
1949.	-	-	-	1	-	-	-
1950.	-	-	-	1	-	-	-
1952.	1	1	-	2	-	-	-
1953.	2	1	-	2	1	1	-
1954.	1	2	-	3	1	-	3
1956.	1	1	-	-	-	-	1
1957.	-	1	-	2	-	1	1
1961.	-	1	-	-	-	-	-
UNKNOWN	-	-	-	1	-	-	-
TOTAL	11	16	3	34	8	9	16

YEAR	GEAR OPERATED - CONTINUED						TOTAL, EXCLUSIVE OF DUPLICATION
	LINES-CONTINUED	HARPOONS	DREDGES				
	LONG OR SET WITH HOOKS		CLAM	CRAB	OYSTER	SCALLOP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1872.	-	-	1	1	-	-	2
1873.	-	-	1	-	-	-	1
1875.	-	-	-	-	-	-	1
1876.	-	-	1	-	-	-	1
1877.	-	-	-	-	-	-	1
1881.	-	-	-	1	1	-	1
1882.	-	-	-	-	1	-	1
1883.	-	-	1	1	-	-	2
1887.	-	-	2	1	-	-	3
1888.	-	-	-	-	-	-	1
1892.	-	-	-	-	-	-	1
1893.	-	-	1	-	-	-	1
1896.	-	-	-	1	-	-	1
1897.	-	-	1	-	-	-	2
1899.	-	-	-	-	1	-	1
1900.	-	-	-	-	1	-	1
1901.	-	-	1	-	3	-	4
1902.	1	-	3	-	1	-	10
1903.	-	-	1	-	1	-	4
1904.	-	-	2	-	-	-	3

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHING VESSELS, 1961
BY YEAR BUILT - Continued

YEAR	GEAR OPERATED						TOTAL, EXCLUSIVE OF DUPLICATION
	LINES-CONTINUED	HARPOONS	DREDGES				
	LONG OR SET WITH HOOKS		CLAM	CRAB	OYSTER	SCALLOP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1905.	-	-	5	-	1	-	5
1906.	-	-	4	-	2	2	6
1907.	-	-	1	-	1	-	4
1908.	-	-	-	-	1	-	1
1909.	1	-	-	-	3	-	5
1910.	-	-	1	-	3	-	6
1911.	-	-	1	1	1	-	6
1912.	1	-	-	-	-	-	3
1913.	-	-	2	-	2	-	7
1914.	-	-	-	-	-	-	2
1915.	1	-	-	-	-	-	1
1916.	-	-	1	-	-	-	1
1917.	-	-	-	-	1	1	8
1918.	1	-	-	-	-	2	8
1919.	-	-	-	-	-	-	3
1920.	-	-	1	-	-	-	6
1921.	1	-	-	-	-	-	4
1922.	-	-	-	-	-	-	5
1923.	-	-	-	1	2	-	4
1924.	-	-	1	1	4	1	11
1925.	-	-	2	-	2	-	8
1926.	1	-	-	-	1	-	6
1927.	1	-	2	-	1	-	12
1928.	-	-	4	-	1	1	12
1929.	1	1	3	-	2	-	12
1930.	2	1	-	-	-	-	13
1931.	-	-	-	-	-	-	10
1932.	-	-	3	-	-	-	5
1933.	1	-	-	-	-	-	4
1934.	1	-	-	-	-	-	2
1935.	1	1	-	-	-	-	4
1936.	3	-	-	-	1	-	13
1937.	2	-	1	-	1	1	10
1938.	2	-	-	-	-	1	11
1939.	-	-	-	1	-	2	6
1940.	2	-	1	1	1	1	10
1941.	2	-	-	-	-	-	8
1942.	1	-	5	1	-	3	25
1943.	1	-	3	-	-	4	25
1944.	-	-	1	-	-	1	15
1945.	3	1	7	-	-	-	30
1946.	3	2	3	1	1	1	34
1947.	4	-	2	-	2	-	19
1948.	2	-	-	-	-	-	16
1949.	1	-	4	1	3	-	20
1950.	1	-	5	1	-	-	18
1951.	1	-	-	1	-	1	13
1952.	3	-	3	-	1	-	12
1953.	4	-	3	1	-	-	17
1954.	3	1	-	1	-	1	18
1955.	-	-	-	-	-	-	7
1956.	2	-	2	2	-	-	11
1957.	4	-	1	-	-	1	16
1958.	1	-	-	1	-	-	6
1959.	2	-	-	-	-	-	7
1960.	-	1	2	-	-	-	5
1961.	-	-	-	-	-	-	1
UNKNOWN	1	-	-	-	-	-	3
TOTAL	62	8	89	20	47	24	602

NOTE:--THE MIDDLE ATLANTIC STATES INCLUDE NEW YORK, NEW JERSEY, AND DELAWARE.

CHESAPEAKE FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED							
	HAUL SEINES	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS	FYKE AND HOOP NETS	POTS AND TRAPS		
						CRAB	EEL	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	-	1	-	-	-	-	-
1877.	-	1	-	-	-	-	-	-
1892.	-	1	-	-	-	-	-	-
1893.	-	1	-	-	-	-	-	-
1897.	-	1	-	-	-	-	-	-
1898.	-	-	1	-	-	-	-	-
1899.	-	1	-	-	-	-	-	-
1900.	-	1	-	-	-	-	-	-
1901.	-	2	-	-	-	-	-	-
1902.	-	2	-	-	-	-	-	-
1904.	-	1	-	-	-	-	-	-
1906.	-	-	1	-	-	-	-	-
1907.	-	-	1	-	-	-	-	-
1909.	-	1	-	-	-	-	-	-
1910.	1	-	-	-	-	-	-	-
1912.	-	2	-	-	-	-	-	-
1913.	-	-	1	-	-	-	-	-
1914.	-	-	2	-	-	-	-	-
1916.	-	-	2	-	-	-	-	-
1917.	-	-	3	-	-	-	-	-
1918.	-	-	2	-	-	1	-	-
1919.	-	2	1	-	-	-	-	-
1920.	-	-	1	-	-	1	-	-
1922.	-	-	2	-	-	1	-	-
1923.	-	2	-	-	-	-	-	-
1924.	-	-	1	-	-	1	-	-
1925.	-	-	2	-	-	-	-	-
1926.	-	-	2	-	-	-	-	-
1927.	1	-	3	1	2	2	-	-
1928.	1	-	2	-	-	-	-	-
1929.	1	-	2	-	-	1	-	-
1930.	-	2	1	-	-	-	-	-
1931.	-	-	4	-	-	2	-	-
1932.	-	-	-	-	-	3	-	-
1933.	-	-	1	1	-	1	-	-
1934.	1	-	2	1	-	5	-	-
1935.	1	-	-	-	-	4	-	-
1936.	2	-	2	-	-	4	-	-
1937.	-	-	1	-	-	5	-	-
1938.	1	-	2	2	2	7	2	-
1939.	1	-	1	1	-	3	-	-
1940.	2	1	2	1	-	5	-	1
1941.	1	-	2	-	-	4	-	-
1942.	1	1	5	1	-	3	-	-
1943.	-	2	4	-	-	3	-	-
1944.	1	1	5	-	-	4	-	-
1945.	1	-	6	1	-	12	-	-
1946.	3	-	6	1	-	14	-	1
1947.	3	-	6	2	1	13	-	-
1948.	2	-	4	2	-	10	-	-
1949.	2	-	1	2	-	12	-	-
1950.	5	-	1	2	-	10	-	-
1951.	3	1	2	1	-	9	-	1
1952.	-	-	1	1	-	17	-	-
1953.	-	-	1	2	1	15	1	-
1954.	-	-	5	1	1	21	-	-
1955.	1	-	1	-	-	11	-	-
1956.	1	-	3	3	1	19	-	-
1957.	-	-	1	-	-	13	-	-
1958.	-	-	1	-	-	11	-	-
1959.	1	-	4	2	-	17	1	-
1960.	-	-	1	-	-	16	-	-
1961.	-	-	1	-	-	3	-	-
UNKNOWN	1	-	1	-	-	5	-	-
TOTAL . . .	38	26	108	29	8	288	4	[illegible]

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHING VESSELS, 1961

BY YEAR BUILT - Continued

YEAR	GEAR OPERATED							
	GILL NETS		LINES			SCRAPES	DREDGES	
	ANCHOR, SET OR STAKE	DRIFT	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS		CLAM	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1882.	-	-	-	-	-	-	-	1
1883.	-	-	-	-	-	-	-	1
1889.	-	-	-	-	-	-	-	1
1891.	-	-	-	-	-	-	-	1
1893.	-	-	-	-	-	-	-	1
1898.	-	-	-	-	-	-	-	1
1901.	-	-	-	-	-	-	-	4
1903.	-	-	-	-	-	-	-	1
1904.	-	-	-	-	-	-	-	1
1906.	-	-	-	-	-	-	-	1
1907.	-	-	-	-	-	-	-	1
1909.	-	-	-	-	-	-	-	2
1910.	1	-	-	-	-	-	-	-
1911.	-	-	-	-	-	-	-	2
1912.	-	-	-	-	-	-	1	2
1913.	-	-	-	1	-	-	-	5
1914.	-	-	-	2	-	-	-	1
1915.	-	-	-	-	-	-	-	3
1916.	-	1	-	1	-	-	-	1
1917.	-	-	-	-	-	-	-	1
1918.	-	-	-	-	-	-	1	2
1920.	-	-	-	-	-	-	-	2
1921.	-	-	-	-	-	-	-	1
1922.	-	-	-	-	-	-	-	4
1923.	-	-	-	-	-	-	-	8
1924.	-	-	-	-	1	-	-	5
1925.	-	-	-	1	-	-	-	6
1926.	-	1	-	-	-	-	-	3
1927.	4	2	-	-	1	-	-	4
1928.	-	1	1	-	-	-	-	5
1929.	-	-	-	-	-	-	1	4
1930.	-	-	-	-	-	-	1	6
1931.	-	1	-	-	2	-	-	1
1932.	1	1	-	1	-	-	-	1
1934.	2	2	1	-	3	-	3	2
1935.	-	-	-	-	2	-	-	2
1936.	1	1	-	-	-	-	-	6
1937.	-	1	1	-	2	-	2	2
1938.	1	3	-	-	1	-	2	2
1939.	2	2	1	-	2	-	1	3
1940.	4	3	-	-	1	-	3	1
1941.	3	-	-	-	1	-	1	1
1942.	4	2	-	-	2	-	1	-
1943.	3	3	1	-	1	-	3	1
1944.	3	5	1	-	2	-	2	3
1945.	8	5	-	-	7	-	1	2
1946.	6	6	1	3	4	1	5	10
1947.	3	8	1	-	2	-	2	8
1948.	7	7	1	-	2	-	4	11
1949.	3	2	-	2	1	-	5	4
1950.	11	8	-	-	3	-	-	4
1951.	5	5	1	1	3	-	2	7
1952.	5	3	-	-	1	3	2	6
1953.	2	4	-	-	3	-	1	5
1954.	3	3	1	1	2	-	4	4
1955.	3	1	-	-	-	1	5	4
1956.	5	5	-	-	11	-	15	3
1957.	6	5	-	2	3	-	13	5
1958.	5	1	-	-	3	-	9	2
1959.	5	6	-	-	8	-	4	4
1960.	3	3	-	-	1	-	1	1
1961.	1	2	-	-	1	-	3	-
UNKNOWN	1	-	-	1	-	-	1	4
TOTAL	111	103	11	16	76	5	99	190

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

CHESAPEAKE FISHING VESSELS, 1961

BY YEAR BUILT - Continued

YEAR	GEAR OPERATED						TOTAL, EXCLUSIVE OF DUPLICATION
	DREDGES - CONTINUED		SCALLOP	TONGS		RAKES	
	OYSTER			OYSTER	OTHER		
	MOTOR VESSELS	SAILING VESSELS					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1875.	-	-	-	-	-	-	1
1877.	-	-	-	-	-	-	1
1881.	-	1	-	-	-	-	1
1882.	-	1	-	-	-	-	2
1883.	1	-	-	-	-	-	2
1884.	-	1	-	-	-	-	1
1886.	-	1	-	-	-	-	1
1888.	1	-	-	-	-	-	1
1889.	-	2	-	-	-	-	3
1890.	-	1	-	-	-	-	1
1891.	1	1	-	-	-	-	3
1892.	-	-	-	-	-	-	1
1893.	-	-	-	-	-	-	2
1896.	2	-	-	-	-	-	2
1897.	-	1	-	-	-	-	2
1898.	2	1	-	-	-	-	4
1899.	2	1	-	-	-	-	4
1900.	-	2	-	-	-	-	3
1901.	2	7	-	-	-	-	14
1902.	2	1	-	-	-	-	5
1903.	1	1	-	1	-	-	4
1904.	-	5	-	-	-	-	7
1905.	-	4	-	-	-	-	4
1906.	-	3	-	-	-	-	5
1907.	1	2	-	1	1	-	6
1908.	-	5	-	-	-	-	5
1909.	1	1	-	1	-	-	6
1910.	1	3	-	-	-	1	5
1911.	2	4	-	1	-	-	8
1912.	3	1	-	1	-	-	8
1913.	3	-	-	-	-	-	8
1914.	2	1	-	1	1	-	7
1915.	2	1	-	1	-	-	6
1916.	3	-	-	1	-	-	7
1917.	1	-	1	1	-	-	7
1918.	1	-	1	1	-	-	7
1919.	1	-	-	1	-	-	5
1920.	4	-	-	1	-	-	8
1921.	1	1	-	-	-	-	3
1922.	3	-	-	2	-	-	10
1923.	2	-	-	4	-	-	16
1924.	4	-	-	3	-	-	13
1925.	4	-	-	2	-	-	13
1926.	3	-	-	-	1	-	9
1927.	3	-	-	4	-	-	17
1928.	2	-	-	2	-	-	10
1929.	7	-	-	2	-	-	13
1930.	1	-	1	2	-	-	14
1931.	3	-	-	3	1	-	12
1932.	2	-	-	5	-	-	10
1933.	2	-	-	4	-	-	7
1934.	5	-	-	9	-	-	23
1935.	6	-	-	8	-	-	16
1936.	7	1	-	10	-	-	26
1937.	4	-	-	8	-	-	22
1938.	3	-	1	8	2	1	23
1939.	7	-	1	8	-	-	23
1940.	3	1	-	12	-	-	30
1941.	3	-	-	10	-	-	18
1942.	2	-	-	5	-	-	17
1943.	2	-	2	7	1	-	24
1944.	7	-	-	10	1	-	32
1945.	13	-	1	22	1	-	46
1946.	10	-	-	24	1	-	58
1947.	11	-	-	16	3	-	50
1948.	10	-	-	16	2	-	50
1949.	16	4	-	19	1	-	50
1950.	5	-	-	10	2	-	32
1951.	4	-	-	11	2	-	27
1952.	9	-	-	14	-	-	37
1953.	12	1	-	14	-	-	40
1954.	15	1	-	18	-	-	48
1955.	8	2	-	12	-	-	30
1956.	10	1	-	46	1	-	74
1957.	15	-	-	35	1	-	70
1958.	4	-	-	26	-	-	43
1959.	16	-	-	39	1	-	60
1960.	6	-	-	13	2	-	30
1961.	-	-	-	11	1	-	14
UNKNOWN	9	1	-	7	-	1	23
TOTAL	298	65	8	493	26	3	1,350

NOTE:--THE CHESAPEAKE STATES INCLUDE MARYLAND AND VIRGINIA.

SOUTH ATLANTIC FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED								
	HAUL SEINES	PURSE SEINES	OTTER TRAWLS				POTS AND TRAPS		
			CRAB	FISH	SHRIMP	SCALLOP	FISH	LOBSTER, SPINY	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1894.	-	-	-	-	1	-	-	-	-
1897.	-	1	-	-	-	-	-	-	-
1898.	-	-	-	-	1	-	-	-	-
1899.	-	-	-	-	1	-	-	-	-
1901.	-	-	-	-	2	-	-	-	-
1906.	-	-	-	-	1	-	-	-	-
1908.	-	-	-	-	1	-	-	-	-
1911.	-	-	-	1	3	-	-	-	-
1912.	-	-	-	-	2	-	-	-	-
1913.	-	-	1	-	2	-	-	-	-
1914.	-	-	-	-	2	-	-	-	-
1915.	-	-	-	-	2	-	-	-	-
1916.	-	-	-	-	1	-	-	-	-
1917.	-	-	-	-	1	-	-	-	-
1918.	-	-	-	-	2	-	-	-	-
1919.	-	-	-	-	2	-	-	-	-
1920.	1	-	-	-	3	-	-	-	-
1921.	-	-	1	1	5	-	-	-	-
1922.	1	-	1	-	2	-	-	-	-
1923.	-	1	-	1	6	-	-	-	1
1924.	-	-	-	1	5	-	-	-	-
1925.	1	-	-	2	7	-	-	-	-
1926.	1	-	-	-	4	-	-	-	-
1927.	-	1	1	-	13	-	-	-	-
1928.	-	-	1	-	8	-	-	-	-
1929.	-	-	1	2	9	-	-	-	-
1930.	1	1	-	1	10	-	-	-	-
1931.	1	-	1	1	10	-	-	-	-
1932.	-	-	2	-	7	-	-	-	-
1933.	1	1	1	-	6	-	-	-	-
1934.	-	-	-	-	11	-	1	-	-
1935.	-	-	-	1	15	-	-	-	-
1936.	1	1	1	1	14	-	-	-	-
1937.	-	-	-	1	14	-	-	-	-
1938.	3	1	-	-	12	-	1	-	-
1939.	1	-	-	-	13	-	-	-	-
1940.	-	1	-	-	7	-	-	-	-
1941.	-	2	1	1	15	-	-	-	-
1942.	-	4	-	3	22	-	-	-	-
1943.	1	11	1	2	20	-	-	-	-
1944.	-	8	2	3	36	1	2	-	-
1945.	2	-	4	-	37	-	3	2	-
1946.	4	-	5	5	77	-	6	1	-
1947.	2	-	3	4	66	-	1	1	-
1948.	-	1	3	1	53	-	3	-	-
1949.	-	1	4	3	61	-	6	1	-
1950.	-	1	-	1	26	1	1	-	-
1951.	-	-	-	2	35	-	4	-	-
1952.	-	2	1	-	16	-	2	-	-
1953.	-	1	1	2	27	-	-	-	-
1954.	2	1	-	6	51	1	-	-	-
1955.	-	6	1	3	40	1	2	-	-
1956.	-	2	-	9	60	2	-	-	-
1957.	-	2	3	5	68	3	1	-	-
1958.	-	3	-	6	69	-	-	-	-
1959.	-	1	1	2	41	-	-	-	-
1960.	-	1	-	-	14	-	2	-	-
1961.	-	-	-	-	20	-	1	-	-
UNKNOWN	-	-	-	-	12	-	-	-	-
TOTAL	23	55	41	71	1,071	9	36	5	1

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHING VESSELS, 1961

BY YEAR BUILT - Continued

YEAR	GEAR OPERATED							TOTAL, EXCLUSIVE OF DUPLICATION
	GILL NETS		LINES		DREDGES			
	RUNAROUND	OTHER	HAND	TROLL	CLAM	OYSTER	SCALLOP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1894.	-	-	-	-	-	-	-	1
1897.	-	-	-	-	-	-	-	1
1898.	-	-	-	-	-	-	-	1
1899.	-	-	-	-	-	-	-	1
1901.	-	-	-	-	-	-	-	2
1906.	-	-	-	-	-	-	-	1
1908.	-	-	-	-	-	-	-	1
1911.	-	-	-	-	-	-	-	3
1912.	-	-	-	-	-	-	-	2
1913.	-	-	-	-	-	-	-	2
1914.	-	-	-	-	-	-	-	2
1915.	-	-	-	-	-	-	-	2
1916.	-	-	-	-	-	-	-	1
1917.	-	-	-	-	-	-	-	1
1918.	-	-	-	-	-	-	-	2
1919.	-	-	-	-	-	-	-	2
1920.	-	-	-	-	-	1	-	4
1921.	-	-	-	-	-	-	-	5
1922.	-	-	-	-	-	-	-	3
1923.	-	-	-	-	-	-	-	8
1924.	-	-	1	-	-	-	-	6
1925.	-	-	-	-	-	-	-	8
1926.	-	-	-	-	-	1	-	4
1927.	1	-	-	-	-	2	-	15
1928.	-	-	-	-	-	-	-	8
1929.	-	-	1	-	-	-	-	11
1930.	-	1	-	-	-	1	-	11
1931.	-	-	2	-	-	1	-	11
1932.	-	-	-	-	-	-	-	8
1933.	-	-	-	-	-	1	-	8
1934.	-	-	-	-	-	2	-	12
1935.	-	1	1	-	-	1	-	16
1936.	1	2	1	-	1	-	-	18
1937.	-	-	-	-	1	-	-	14
1938.	-	1	-	-	-	-	-	14
1939.	-	-	1	-	-	-	-	14
1940.	-	-	1	-	-	-	-	8
1941.	-	-	-	-	-	-	-	16
1942.	-	-	1	-	-	-	-	27
1943.	-	-	2	-	-	-	-	32
1944.	-	-	-	-	1	-	-	44
1945.	1	-	2	-	-	1	-	42
1946.	1	3	7	1	-	1	-	86
1947.	1	-	3	-	-	3	1	70
1948.	-	2	2	-	-	3	-	56
1949.	-	-	1	-	-	1	-	68
1950.	-	-	1	-	-	-	-	28
1951.	-	-	1	-	-	-	-	41
1952.	-	-	2	-	-	-	-	20
1953.	1	-	1	-	-	-	-	29
1954.	-	-	2	-	3	-	-	54
1955.	-	-	-	-	-	-	-	46
1956.	-	-	3	-	2	-	-	62
1957.	-	-	-	-	1	1	-	68
1958.	-	-	-	-	-	-	-	72
1959.	-	-	5	-	-	-	-	44
1960.	-	-	-	-	-	-	-	16
1961.	-	-	-	-	-	-	-	20
UNKNOWN	-	-	1	-	-	2	-	13
TOTAL	6	10	42	1	9	22	1	1,185

NOTE:--THE SOUTH ATLANTIC STATES INCLUDE NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, AND THE EAST COAST OF FLORIDA.

GULF FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED							
	HAUL SEINES	PURSE SEINES	OTTER TRAWLS			POTS, LOBSTER, SPINY	GILL NETS	
			CRAB	FISH	SHRIMP		DRIFT	RUNAROUND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1874.	-	-	-	-	1	-	-	-
1888.	-	-	-	-	1	-	-	-
1891.	-	-	-	-	2	-	-	-
1892.	-	-	-	-	1	-	-	-
1896.	-	-	-	-	1	-	-	-
1899.	-	-	-	-	1	-	-	-
1900.	-	-	-	-	2	-	-	-
1901.	-	-	-	1	2	-	-	-
1902.	-	-	-	-	1	-	-	-
1903.	-	-	-	-	2	-	-	-
1904.	-	-	-	-	2	-	-	-
1905.	-	-	-	-	4	-	-	-
1906.	-	-	-	-	3	-	-	-
1909.	-	-	-	-	2	-	-	-
1911.	-	1	-	-	-	-	-	-
1912.	-	-	-	-	2	-	-	-
1915.	-	-	-	-	4	-	-	-
1916.	-	-	-	-	2	-	-	-
1917.	-	-	-	-	1	-	-	-
1918.	-	-	-	-	4	-	-	-
1919.	-	-	-	-	1	-	-	-
1920.	-	-	-	-	4	-	-	-
1921.	-	-	-	-	2	-	-	-
1922.	-	-	-	-	1	-	-	-
1923.	-	-	-	1	4	-	-	-
1924.	-	-	-	-	13	-	-	-
1925.	-	1	-	-	14	-	-	-
1926.	-	-	-	-	8	-	-	-
1927.	-	-	-	-	5	-	-	-
1928.	-	-	-	-	12	-	-	-
1929.	-	-	-	1	14	-	-	-
1930.	-	1	-	-	10	-	1	1
1931.	-	-	-	-	11	-	-	-
1932.	-	-	-	-	3	-	-	-
1933.	-	-	-	2	3	-	-	-
1934.	-	-	-	1	7	-	-	-
1935.	-	-	-	-	16	-	-	-
1936.	-	-	-	1	30	-	1	3
1937.	-	-	-	1	39	-	-	1
1938.	-	-	-	2	39	-	-	1
1939.	1	-	-	-	18	-	-	3
1940.	-	-	-	1	29	2	-	4
1941.	-	-	-	-	26	-	-	-
1942.	-	2	-	2	36	-	1	1
1943.	-	3	-	6	60	-	-	-
1944.	1	3	-	1	75	-	1	2
1945.	2	1	-	6	81	1	-	3
1946.	1	3	-	13	119	2	2	3
1947.	1	4	-	8	119	-	-	2
1948.	2	2	-	10	144	2	-	-
1949.	1	3	-	5	82	1	-	1
1950.	-	2	-	4	101	-	-	-
1951.	-	-	-	1	120	-	-	-
1952.	-	1	-	-	123	-	-	1
1953.	-	2	-	6	236	-	-	1
1954.	-	6	-	6	231	-	-	1
1955.	-	6	-	4	67	2	-	-
1956.	-	9	-	6	108	-	-	2
1957.	-	6	-	1	197	3	-	-
1958.	-	2	-	3	265	2	-	2
1959.	-	2	1	-	99	-	-	3
1960.	1	9	-	3	33	1	-	3
1961.	-	-	-	-	36	-	-	1
UNKNOWN	-	-	-	-	7	-	-	-
TOTAL	10	69	1	96	2,686	16	6	40

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF FISHING VESSELS, 1961 - BY YEAR BUILT - Continued

YEAR	GEAR OPERATED						TOTAL, EXCLUSIVE OF DUPLICATION
	TRAMMEL NETS	LINES			DREDGES, OYSTER	DIVING OUTFITS	
		HAND	TROLL	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1865	-	1	-	-	-	-	1
1874	-	-	-	-	-	-	1
1884	-	-	-	-	1	-	1
1888	-	-	-	-	-	-	1
1891	-	-	-	-	-	-	2
1892	-	-	-	-	-	-	1
1893	-	-	-	-	1	-	1
1896	-	-	-	-	1	-	2
1899	-	1	-	-	-	-	2
1900	-	-	-	-	2	-	3
1901	1	-	-	-	2	-	4
1902	-	-	-	-	-	-	1
1903	-	-	-	-	1	-	3
1904	-	-	-	-	3	-	4
1905	-	-	-	-	6	-	8
1906	-	-	-	-	4	-	4
1909	-	1	-	-	1	-	4
1911	-	-	-	-	-	-	1
1912	-	1	1	-	4	-	6
1913	-	2	-	-	-	-	2
1914	-	-	-	-	2	-	2
1915	-	1	-	-	1	-	5
1916	-	-	-	-	1	-	2
1917	-	1	-	-	3	-	5
1918	-	1	-	-	1	-	6
1919	-	1	-	-	-	-	2
1920	-	-	-	-	-	-	4
1921	-	-	-	-	1	-	3
1922	-	1	-	-	2	-	3
1923	-	2	-	-	3	1	9
1924	-	5	-	-	3	-	21
1925	-	8	-	-	5	2	27
1926	-	2	-	-	5	2	15
1927	-	4	-	-	2	-	11
1928	1	1	-	-	5	1	17
1929	1	5	-	-	10	1	29
1930	1	4	-	-	6	-	20
1931	-	3	-	-	4	-	15
1932	-	1	-	-	1	-	5
1933	-	1	-	-	3	-	7
1934	-	3	-	-	1	1	11
1935	2	3	-	-	8	-	22
1936	-	6	-	-	16	-	39
1937	1	9	1	-	15	-	56
1938	-	9	-	-	5	1	50
1939	-	7	-	-	4	-	30
1940	1	8	2	-	6	-	46
1941	1	9	2	-	4	1	39
1942	-	5	-	-	5	-	44
1943	-	5	1	-	8	-	71
1944	1	4	-	-	5	-	85
1945	-	15	1	-	6	-	101
1946	1	12	2	1	22	-	144
1947	2	22	2	-	24	-	148
1948	2	24	2	-	27	-	179
1949	-	13	1	-	11	-	101
1950	1	27	4	-	10	-	128
1951	-	14	1	-	2	-	126
1952	1	19	-	-	6	-	141
1953	1	31	2	-	5	-	251
1954	-	15	1	1	9	-	252
1955	-	9	4	-	8	-	87
1956	-	8	1	-	10	-	126
1957	-	24	3	-	3	-	219
1958	-	32	2	-	9	-	284
1959	-	11	-	-	2	-	109
1960	2	12	3	-	8	-	66
1961	1	3	-	-	1	-	40
UNKNOWN	-	3	-	-	2	-	12
TOTAL	21	409	36	2	326	10	3,26[illegible]

NOTE:--THE GULF STATES INCLUDE THE WEST COAST OF FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, AND TEXAS.

PACIFIC COAST FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED								
	HAUL SEINES, COMMON	PURSE SEINES						LAMPARA NETS, SQUID	BEAM TRAWLS, SHRIMP
		HERRING	MACK-EREL	SALMON	SARDINE	TUNA	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1891.	-	-	-	1	-	-	-	-	-
1907.	-	-	-	3	-	-	-	-	-
1908.	-	-	-	3	-	-	-	-	1
1909.	-	-	1	2	-	-	-	-	-
1910.	-	-	-	2	-	-	-	-	1
1911.	-	-	-	5	-	-	1	-	-
1912.	-	-	-	18	-	-	-	-	1
1913.	-	-	-	20	-	-	-	-	-
1914.	-	-	1	13	-	-	-	-	-
1915.	-	-	-	25	-	-	-	-	-
1916.	-	-	-	7	-	-	-	-	1
1917.	-	-	2	41	1	-	1	1	2
1918.	-	-	-	10	-	-	2	-	-
1919.	-	-	-	10	-	-	-	-	1
1920.	-	-	-	20	-	-	-	-	-
1921.	-	-	-	3	-	-	1	-	1
1922.	-	-	-	1	-	-	-	-	2
1923.	-	-	-	3	-	-	-	-	-
1924.	-	-	-	3	-	-	-	-	-
1925.	-	-	1	10	1	-	1	1	-
1926.	-	-	2	11	2	-	-	1	1
1927.	-	1	1	24	1	1	-	-	1
1928.	-	-	-	11	-	-	1	-	-
1929.	-	-	1	25	1	-	-	1	-
1930.	-	-	3	12	3	-	-	1	1
1931.	-	-	-	10	-	-	-	-	-
1932.	-	-	-	-	1	-	-	-	-
1934.	-	-	-	7	-	-	-	-	-
1935.	-	-	8	17	8	3	-	-	1
1936.	-	-	2	16	2	2	1	-	-
1937.	1	6	8	11	8	8	-	-	2
1938.	-	1	-	16	-	3	-	-	1
1939.	-	-	8	11	8	4	1	-	1
1940.	-	1	7	6	6	2	1	1	-
1941.	-	-	-	16	-	3	-	-	-
1942.	1	3	-	20	-	3	1	-	-
1943.	1	-	1	17	1	-	1	-	-
1944.	1	1	14	34	14	16	2	2	3
1945.	-	3	6	39	4	23	2	1	2
1946.	-	4	6	70	4	18	3	3	2
1947.	1	1	5	52	4	10	4	2	1
1948.	-	-	5	38	3	6	2	1	1
1949.	-	-	4	66	4	5	-	-	-
1950.	-	-	4	52	2	2	-	1	3
1951.	1	-	2	60	2	10	1	-	-
1952.	-	-	1	38	2	2	2	-	-
1953.	1	1	4	16	2	-	-	-	-
1954.	-	-	-	4	-	2	-	1	-
1955.	-	-	-	23	-	1	-	-	-
1956.	-	-	-	38	-	1	-	-	-
1957.	-	1	1	33	1	-	-	-	-
1958.	-	-	1	22	1	-	1	-	-
1959.	-	-	-	19	-	-	-	-	-
1960.	-	-	-	16	-	-	1	-	-
1961.	-	-	1	8	1	1	-	1	-
UNKNOWN	1	-	-	-	-	-	1	-	-
TOTAL	8	23	100	1,058	87	126	31	18	30

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHING VESSELS, 1961 - BY YEAR BUILT - Continued

YEAR	GEAR OPERATED							
	OTTER TRAWLS			POTS AND TRAPS			GILL NETS	
	CRAB	FISH	SHRIMP	CRAB		LOBSTER, SPINY	ANCHOR, SET OR STAKE, SALMON	DRIFT
				DUNGENESS	KING			BARRACUDA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1900.	-	1	-	-	-	-	-	-
1901.	-	1	-	-	-	-	-	-
1902.	-	-	-	-	-	-	-	-
1906.	-	-	-	-	1	-	-	-
1907.	-	1	-	2	-	-	-	-
1908.	-	2	-	1	-	-	-	-
1909.	-	-	-	1	-	-	-	-
1910.	-	-	-	2	-	-	-	-
1911.	-	2	-	2	-	-	-	-
1912.	-	5	-	3	5	-	-	-
1913.	-	5	-	2	1	-	-	-
1914.	-	2	1	1	1	-	-	-
1915.	-	8	2	2	5	-	2	-
1916.	-	-	-	1	1	-	-	-
1917.	-	9	-	7	6	-	-	-
1918.	-	5	-	8	3	-	1	-
1919.	-	1	1	4	-	-	-	-
1920.	-	5	1	6	-	-	-	-
1921.	-	-	-	3	-	-	-	-
1922.	-	2	-	3	-	-	-	-
1923.	-	2	-	3	1	-	-	-
1924.	-	2	-	8	3	-	-	-
1925.	-	5	-	8	2	-	-	-
1926.	-	10	2	12	4	-	2	-
1927.	-	14	2	7	5	-	-	-
1928.	-	7	1	11	1	1	1	-
1929.	-	5	-	7	2	1	1	-
1930.	-	6	-	6	5	-	-	-
1931.	-	1	-	1	-	-	-	-
1932.	-	-	-	1	1	-	-	-
1933.	-	-	-	2	-	-	-	-
1934.	1	1	-	2	2	1	-	-
1935.	-	2	-	10	4	-	-	-
1936.	-	2	-	4	3	-	-	-
1937.	-	5	1	3	1	-	-	-
1938.	-	4	-	11	2	-	-	-
1939.	-	12	2	9	2	-	-	-
1940.	-	4	-	11	3	2	-	1
1941.	-	9	4	14	6	1	-	-
1942.	-	10	3	26	9	1	1	-
1943.	-	7	-	12	9	-	2	-
1944.	-	17	4	19	11	3	-	2
1945.	-	17	3	28	23	3	2	1
1946.	-	14	2	37	21	1	2	1
1947.	-	7	1	37	19	3	4	-
1948.	-	6	1	19	8	2	-	1
1949.	-	3	2	22	22	1	1	1
1950.	-	1	-	14	8	-	3	-
1951.	-	5	1	11	14	-	3	1
1952.	-	-	-	7	11	2	1	1
1953.	-	-	-	4	6	-	2	1
1954.	-	-	-	8	1	1	-	-
1955.	-	3	-	8	8	1	1	-
1956.	-	-	-	3	10	-	-	-
1957.	-	1	-	3	15	-	2	-
1958.	-	1	-	7	6	-	1	-
1959.	-	-	-	5	6	1	2	-
1960.	-	-	-	8	7	-	1	-
1961.	-	1	-	3	-	-	-	-
UNKNOWN	-	-	-	9	-	1	-	1
TOTAL	1	233	34	468	284	26	35	11

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHING VESSELS, 1961 - BY YEAR BUILT - Continued

YEAR	GEAR OPERATED								
	GILL NETS - CONTINUED			LINES					
	DRIFT - CONTINUED			HAND		TROLL			LONG OR SET WITH HOOKS
	SALMON	SEA BASS	OTHER	YELLOWFIN	ALBACORE AND ROCKFISH	SALMON	TUNA	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1893.	-	-	-	-	-	1	1	-	-
1894.	-	-	-	-	-	1	1	-	-
1900.	-	-	-	-	-	1	-	-	-
1901.	-	-	-	-	-	-	1	-	-
1902.	-	-	-	-	-	1	-	-	-
1903.	-	-	-	-	-	4	-	-	1
1904.	-	-	-	-	-	2	-	-	-
1905.	-	-	-	-	-	3	-	-	-
1906.	-	-	-	-	-	2	-	-	-
1907.	-	-	-	-	-	10	2	-	2
1908.	1	-	-	-	1	7	3	-	2
1909.	-	-	-	-	-	8	3	-	-
1910.	-	-	-	-	-	8	3	-	1
1911.	1	-	-	-	-	10	1	-	2
1912.	-	-	-	-	-	16	3	-	6
1913.	-	-	-	-	1	19	3	-	11
1914.	2	-	-	-	-	17	4	-	5
1915.	2	-	-	-	-	18	8	-	7
1916.	6	-	-	-	2	13	3	-	2
1917.	5	1	-	-	4	28	14	-	10
1918.	6	-	-	-	4	54	8	-	4
1919.	3	-	-	-	1	36	4	-	6
1920.	6	-	-	-	3	45	9	-	8
1921.	2	-	-	-	1	15	8	-	1
1922.	-	-	-	-	-	16	2	-	1
1923.	2	-	-	-	1	9	4	-	6
1924.	2	-	-	2	4	22	13	-	12
1925.	1	-	-	-	1	39	8	-	12
1926.	4	2	-	-	4	53	18	-	7
1927.	9	-	1	-	1	50	12	-	13
1928.	5	-	-	-	3	97	16	-	17
1929.	11	1	-	2	3	47	14	-	13
1930.	6	-	-	1	2	37	12	-	8
1931.	5	-	-	-	-	23	5	-	2
1932.	1	-	-	-	-	22	2	-	1
1933.	2	-	-	-	-	12	2	-	-
1934.	1	-	-	-	3	21	3	-	3
1935.	2	-	-	-	4	35	13	-	7
1936.	3	-	-	1	7	29	12	-	3
1937.	1	-	-	3	2	28	8	-	7
1938.	7	-	-	-	4	42	10	-	6
1939.	8	-	-	-	6	65	25	-	5
1940.	7	2	-	-	2	62	21	-	4
1941.	11	-	-	3	4	51	20	-	11
1942.	10	-	-	1	6	73	30	-	10
1943.	10	-	-	-	10	73	25	-	5
1944.	13	2	-	1	17	93	44	-	7
1945.	7	3	-	5	26	101	63	-	17
1946.	14	4	-	5	28	96	77	-	20
1947.	19	1	2	1	17	120	63	-	14
1948.	14	3	1	1	15	91	48	-	13
1949.	26	3	1	2	12	68	37	-	11
1950.	18	-	-	2	5	52	24	-	19
1951.	49	2	-	2	10	42	26	-	12
1952.	116	1	-	-	6	26	12	-	8
1953.	55	2	-	-	5	34	15	-	2
1954.	18	-	-	2	9	19	18	1	2
1955.	49	-	-	2	1	19	10	1	1
1956.	18	-	-	1	1	17	3	-	1
1957.	23	-	-	3	2	17	8	-	5
1958.	14	-	-	2	2	10	4	-	2
1959.	19	-	-	2	4	20	9	1	1
1960.	17	-	-	-	3	10	7	-	1
1961.	4	-	-	-	1	-	5	-	1
UNKNOWN	1	-	-	-	1	30	8	-	1
TOTAL	636	27	5	44	247	2,090	835	2	359

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHING VESSELS, 1961 - BY YEAR BUILT - Continued

YEAR	GEAR OPERATED								TOTAL, EXCLUSIVE OF DUPLICATION
	DIP NETS, COMMON	BRAIL OR SCOOP NETS	HARPOONS		DREDGES			DIVING OUTFITS, ABALONE	
			SWORDFISH	WHALE	CLAM	OYSTER			
						COMMON	SUCTION		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1891.	-	-	-	-	-	-	-	-	1
1893.	-	-	-	-	-	-	-	-	1
1894.	-	-	-	-	-	-	-	-	1
1900.	-	-	-	1	-	-	-	-	1
1901.	-	-	-	-	-	-	-	-	2
1902.	-	-	-	-	-	-	-	-	1
1903.	-	-	-	-	-	-	-	-	5
1904.	-	-	-	-	-	-	-	-	2
1905.	-	-	-	-	-	-	-	-	3
1906.	-	-	-	-	-	1	-	-	4
1907.	-	1	-	-	-	-	-	-	14
1908.	-	-	-	-	-	-	-	-	12
1909.	-	-	-	-	-	-	-	-	13
1910.	-	1	-	-	-	-	-	-	14
1911.	-	-	-	-	-	-	-	-	18
1912.									40
1913.	-	-	-	-	-	-	-	-	48
1914.	-	1	-	-	-	-	-	-	36
1915.	-	2	-	-	-	-	-	-	[illegible]
1916.	-	1	-	-	-	-	-	-	30
1917.	-	3	-	-	-	-	-	-	92
1918.	-	1	-	-	-	1	-	1	[illegible]
1919.	-	-	-	-	-	-	-	-	57
1920.	-	-	-	-	-	-	-	-	80
1921.	-	-	-	-	-	-	-	-	25
1922.	-	-	-	-	-	-	-	-	22
1923.	-	-	-	-	-	-	-	-	22
1924.	-	1	-	-	-	-	-	-	47
1925.	-	-	-	-	-	-	-	-	57
1926.	-	1	-	-	-	-	-	-	15
1927.	-	-	-	-	-	-	-	-	[illegible]
1928.	-	-	-	-	-	-	-	-	139
1929.	-	-	1	-	-	-	-	-	96
1930.	-	-	-	-	-	-	-	-	70
1931.	-	1	-	-	-	2	-	-	43
1932.	-	-	-	-	-	-	-	-	24
1933.	-	-	-	-	-	-	-	-	13
1934.	-	1	-	-	-	1	-	-	32
1935.	-	-	-	-	-	2	-	-	72
1936.	-	-	-	-	-	-	-	-	59
1937.	-	-	1	-	-	1	-	-	[illegible]
1938.	-	1	-	-	-	1	-	1	77
1939.	-	1	-	-	-	-	-	-	108
1940.	-	1	-	-	-	-	-	1	99
1941.	-	2	-	-	-	1	-	2	110
1942.	1	1	-	1	-	-	-	-	143
1943.	1	1	-	2	-	1	-	-	122
1944.	1	4	1	2	1	4	-	1	220
1945.	-	4	1	-	-	3	-	1	241
1946.	1	6	4	-	-	2	-	-	208
1947.	-	4	2	-	-	1	-	-	248
1948.	-	3	2	-	-	-	-	1	171
1949.	-	1	1	-	-	-	-	-	185
1950.	-	2	-	-	-	-	-	1	134
1951.	1	1	-	-	-	1	-	-	173
1952.	-	1	1	-	-	-	-	-	178
1953.	1	2	-	-	-	-	-	1	109
1954.	-	-	-	-	-	-	-	-	59
1955.	-	-	-	-	-	3	-	-	98
1956.	-	1	-	-	-	2	1	-	70
1957.	-	1	-	-	-	-	-	-	80
1958.	-	-	-	-	-	-	-	-	53
1959.	-	1	-	-	-	-	-	2	65
1960.	-	-	-	-	-	-	-	-	[illegible]
1961.	-	1	-	-	-	-	-	-	22
UNKNOWN	-	2	1	-	-	-	-	1	41
TOTAL	6	55	15	6	1	27	1	13	[illegible]

NOTE:--THE PACIFIC COAST STATES INCLUDE ALASKA, WASHINGTON, OREGON, AND CALIFORNIA.

GREAT LAKES FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	GEAR OPERATED					
	HAUL SEINES, COMMON	OTTER TRAWLS	POUND NETS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS SHOAL 1 1/2 - 2 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1916.	-	-	-	-	-	1
1926.	-	-	1	-	-	-
1928.	-	1	-	-	-	-
1931.	-	-	-	1	-	-
1932.	-	-	1	2	-	-
1933.	-	-	1	-	-	-
1934.	-	-	1	-	-	-
1935.	-	1	-	4	-	-
1936.	-	-	2	2	1	-
1937.	-	-	2	-	-	-
1938.	-	-	1	-	-	-
1939.	-	1	1	1	-	-
1940.	-	-	-	3	-	-
1941.	-	-	1	2	-	-
1942.	-	-	1	2	-	-
1943.	-	-	-	1	-	-
1944.	-	1	1	2	-	-
1945.	-	2	1	8	-	-
1946.	-	3	2	9	-	-
1947.	1	1	2	8	-	-
1948.	-	4	1	20	-	-
1949.	-	-	1	9	-	-
1950.	-	2	1	5	-	-
1951.	-	-	-	9	-	-
1952.	1	-	-	4	-	-
1953.	-	-	-	3	-	-
1954.	-	1	-	2	-	-
1955.	-	-	-	3	-	-
1956.	-	1	-	2	-	-
1957.	-	-	-	2	-	-
1958.	-	-	-	2	-	-
1959.	-	1	-	1	-	-
TOTAL	2	19	21	107	1	1

YEAR	GEAR OPERATED					TOTAL, EXCLUSIVE OF DUPLICATION
		GILL NETS, SHOAL		LINES		
	2-1/4 - 3-7/8 INCH MESH	4 - 7 INCH MESH	10 - 14 INCH MESH	TROLL	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1904.	1	-	-	-	-	1
1910.	1	-	-	-	-	1
1911.	1	1	-	-	-	1
1912.	1	-	-	-	-	1
1913.	1	-	-	-	-	1
1914.	1	1	-	-	-	1
1915.		1	-	-	-	1
1916.	1	1	-	-	-	1
1919.	2	1	-	-	-	2
1020.	2	-	-	-	-	2
1921.	3	-	-	-	-	3
1922.	2	-	-	-	-	2
1923.	1	1	-	-	-	1
1924.	2	2	-	-	-	2
1925.	5	1	-	-	-	5
1926.	7	3	-	-	-	8
1927.	4	1	-	-	-	4
1928.	2	1	-	-	-	4
1929.	9	6	-	-	-	9
1930.	8	4	-	-	-	8
1931.	6	4	-	-	-	8
1932.	4	3	-	-	-	6
1933.	7	6	-	-	-	7
1934.	11	5	-	-	-	11
1935.	17	6	-	-	-	22
1936.	25	10	-	-	-	28
1937.	12	7	-	-	-	14
1938.	14	10	-	-	1	18
1939.	6	6	-	-	-	11
1940.	12	7	-	-	-	15
1941.	6	4	-	-	-	8
1942.	3	1	-	-	-	6

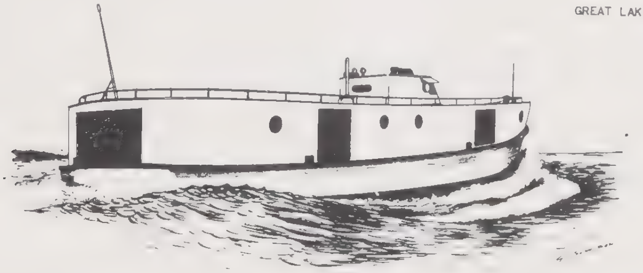
SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHING VESSELS, 1961 - BY YEAR BUILT - Continued

YEAR	GEAR OPERATED					TOTAL, EXCLUSIVE OF DUPLICATION
	GILL NETS, SHOAL			LINES		
	2-1/4 - 3-7/8 INCH MESH	4 - 7 INCH MESH	10 - 14 INCH MESH	TROLL	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1943.	8	5	-	-	-	8
1944.	11	6	-	-	-	15
1945.	22	14	-	-	-	32
1946.	32	20	-	-	-	44
1947.	18	8	1	-	-	28
1948.	19	12	-	-	-	37
1949.	5	4	-	-	-	14
1950.	9	6	-	1	-	16
1951.	3	3	-	-	-	13
1952.	3	3	-	-	-	7
1953.	2	2	-	-	-	5
1954.	1	-	-	-	-	4
1955.	2	2	-	1	-	6
1956.	-	1	-	-	-	3
1957.	1	-	-	-	-	3
1958.	9	2	-	-	-	11
1959.	6	2	-	-	-	8
1960.	3	2	-	-	-	3
TOTAL	331	185	1	2	1	469

NOTE:--THE GREAT LAKES STATES INCLUDE NEW YORK, PENNSYLVANIA, OHIO, MICHIGAN, INDIANA, ILLINOIS, WISCONSIN, AND MINNESOTA.



GREAT LAKES TUG

HAWAII FISHING VESSELS, 1961 - BY YEAR BUILT

YEAR	TOTAL, EXCLUSIVE OF DUPLICATION	YEAR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER		NUMBER
1926.	3	1943.	1
1927.	1	1944.	1
1928.	5	1946.	13
1929.	3	1947.	17
1930.	2	1948.	1
1931.	1	1949.	2
1935.	1	1950.	1
1937.	1	1953.	3
1938.	4	1955.	1
1940.	2	1961.	1
1941.	1		
		TOTAL. . . .	65

SECTION 2 - NEW ENGLAND FISHERIES

The yield of the commercial fisheries of the New England States (Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut) in 1961 totaled 760 million pounds valued at nearly $61 million to the fishermen. This was a decrease of 92 million pounds from 1960 and the lowest annual production since 1944. Despite the relatively large (11 percent) decrease in landings, the value dropped only 1 percent. The lower landings were caused by a sharp decline in the catch of low-priced sea herring at Maine ports.

Rhode Island landings were heavier in 1961 than in 1960 due to larger landings used for industrial products. Landings in other States were lower than in the previous year. Massachusetts accounted for 62 percent of the New England landings in 1961, followed by Maine (26 percent), and Rhode Island (11 percent), Connecticut and New Hampshire accounted for the remaining 1 percent. Of the total amount paid to fishermen, Massachusetts accounted for 61 percent, followed by Maine (31 percent), Rhode Island (5 percent), Connecticut (2 percent), and New Hampshire (1 percent).

The major species contributing to the decline in total landings at New England ports was sea herring. The 1961 catch of only 58 million pounds was 97 million pounds less than the 155 million pounds landed in 1960. Landings of menhaden, ocean perch, whiting, and lobsters were also lighter than in the previous year. Cod, yellowtail flounder, haddock, unclassified fish for reduction and animal food, sea scallops, and Irish moss were taken in greater volume than in 1960.

New England weather was severe at times. Conditions early in 1961 were hazardous due to blizzards and ice formations. Fishermen reported that wind velocities and heavy seas were the worst in many years. Temperatures in February were the lowest in 20 years. During the fall, hurricane "Esther" threatened. The fleet was given advance warning, and all craft were in port as the storm passed by. Damage was limited to loss of lobster gear and fishing time.

The number of fishing vessels of 5 net tons or over (738 vessels) operating from New England ports in 1961 showed a decline of 4 vessels. There were 197 fewer craft in the boat and shore fishery. Fourteen vessels and seven lives were lost at sea during 1961. Five new vessels were added to the New Bedford fleet. A number of older vessels entered the fleet for the first time and helped to compensate for some of the losses. The Fishery Loan Fund, authorized by the Fish and Wildlife Service Act of 1956, received 25 applications for loans from New England vessel and boat owners in 1961.

The total value of fishery products manufactured in New England was $108 million, down $9 million from 1960. This decrease was due to the poor Maine sardine production. The pack fell from nearly 2 million cases valued at $17 million in 1960, to only 754,000 cases valued at $7.6 million in 1961.

Landings of groundfish (cod, haddock, hake, pollock, cusk, and ocean perch), amounting to 336 million pounds, were 3 percent above those of the previous year. Haddock landings (133.5 million pounds) were 15 million pounds larger than in 1960, and cod (42 million pounds) was up 7 million pounds. The catch of ocean perch fell from 141 million pounds in 1960 to 132 million pounds in 1961. Imports continued to provide an ever-increasing percentage of the United States supply of groundfish fillets. Imports accounted for 68 percent of the total 288 million pounds. In 1951, only 37 percent of the supply of groundfish fillets was derived from imports.

Ocean perch landings were the lightest since 1945. Landings at Maine ports (77 million pounds) were about the same as in 1960. The catch landed in Massachusetts (55 million pounds) was 8 million pounds less than in 1960 and the lowest since 1936. The smaller ocean perch catch followed a 10-year trend of decreasing landings. The decline, due in part to a lack of fish on local grounds, has been principally caused by a lack of efficient vessels to prosecute the fishery. The last new vessel entered the Massachusetts ocean perch fishery in 1952.

Haddock landings totaled 133.5 million pounds, the best year since 1956 and an increase of 13 percent over 1960. The number of vessels operating in this fishery declined, and those remaining made fewer, but more productive trips. The greater percentage of the catch was made up of scrod-size fish from the 1958 year class.

A report, Circular 121, entitled The Groundfish Industries of New England and Canada was issued by the Bureau of Commercial Fisheries in 1961. It is a comparative economic analyses made by the Bureau of Business Research of Boston College, under contract. Based on the findings and analyses presented in the report, the following conclusions were drawn:

(1) Four basic differences exist between the fishery industries of the New England and Atlantic Provinces. These four are geographic locations, structures, organizations, and the economic framework within which the two industries operate. They account for the competitive advantage enjoyed by Canada.

(2) The Canadian industry, which engages in a diversified fishery, is less affected by declines in abundance of a particular species than is the New England industry, which is composed of groups of specialized fisheries, each heavily dependent on the abundance of a particular species.

(3) The Canadian subsidy program directly benefits only the small trawler operators and not the large integrated firms which are the chief competitors of the New England industry. These firms benefit from the subsidy only to the extent that it enables them to buy the catch of the subsidized vessels and thus avoid incurring the overhead costs of large trawlers which they might add to their own fleets.

(4) Foreign competition is an important source of the problems of the New England industry. Nevertheless, the industry's lack of ability to adjust to diminished but relatively stable resources is also important.

(5) To the extent practicable, the New England fleet should seek to diversify its catch and lessen the dangers of dependence on one species.

(6) The Boston trawler fleet includes a number of marginal boats engaged in uneconomic overfishing. Because of the limited resources which the Boston fleet can now effectively harvest, these vessels will be eliminated by the process of attrition which has been taking place since 1948. Thus, contraction rather than expansion is postulated for the Boston trawler fleet.

(7) Not only contraction, but also concentration is postulated for the Boston industry: i.e., the Boston fleet may eventually be characterized by a small number of operators, each owning many boats. In any event, only in this way can the economics of a scale necessary to efficient operation in this high-cost industry be accomplished.

(8) The ocean perch fleet in Gloucester and Maine also faces contraction because of the decline in productivity on the more distant ocean perch grounds.

Yellowtail flounder landings in 1961 (37 million pounds) were 7 million pounds or 24 percent larger than in 1960. It was one of the best years on record for this species. Age and growth studies showed that the increased catch was due to a strong 1958 year class that furnished most of the catch.

* * *

The failure of the sea herring (sardine) fishery brought hardship to Maine fishermen and fishing communities. The catch of 54.5 million pounds was the lowest since 1940 and approximately one-third of the amount landed in 1960. The total canned pack of sardines amounted to only 754,000 cases--down 62 percent from 1960. In an effort to help the industry, a temporary measure was passed by the Maine legislature ending all seasons and placing the fishery on a year-round basis until January 1, 1963. Imports of sea herring from Canada also declined. They amounted to only 43.9 million pounds compared with 74.3 million pounds in 1960. Imports of canned sardines packed in oil were up 31 percent while non-oil packs were up 138 percent. While this alleviated the consumer shortage resulting from the poor domestic season, it also caused fears about the possible loss of markets to products of foreign countries.

The Massachusetts whiting fishery faced a number of problems in 1961, and landings fell to 74 million pounds--a decline of 13 million pounds. In other States, landings increased. The start of the Massachusetts season at Gloucester was delayed until June by a price disagreement. Landings in June totaled 7 million pounds. In July, they jumped to 18 million pounds--a new high for any one month. Faced with a deluge of fish, processors began to worry about heavy inventories, and the price paid to fishermen dropped. Although the fleet refused to fish for a short time and several large vessels withdrew from the fishery, most craft resumed fishing at a reduced price.

Total landings of fish for industrial purposes equaled the low catch of 1960 and continued to reflect the oversupply of industrial products on the world's market. Prior to the decline in world meal and oil prices in 1959, the fishery was an important segment of the New England Fishery. To the small otter trawl fishermen, it presented an opportunity to turn a slight loss for the year into a profitable operation. The ruling by United States Food and Drug Administration, which prevented the use for human consumption of so-called fish protein concentrate, made from whole fish came as a blow to some producers who had plans to convert to this type of operation.

The catch of menhaden (26 million pounds) was 17 million pounds less than in 1960. Due to a shortage of fish north of Cape Cod, landings in Massachusetts amounted to only 3.4 million pounds compared with 18.0 million pounds the previous year.

The Provincetown tuna purse seiner Silver Mink was joined in the 1961 season by a new steel vessel built in Warren, Rhode Island. The F. Nelson Blount is believed to be the first tuna seiner ever to be built on the Atlantic Coast of the United States. The 1961 catch of bluefin tuna in New England was 2.4 million pounds, nearly all of which was taken by these two seiners. The longline fishery was disappointing. Tuna did not appear to take bait as readily as in other years, and the presence of unusually large numbers of grayfish interfered with the use of the longlines. Hope continued that a profitable fishery for tuna could be developed in New England.

While the shellfisheries of New England accounted for only 9 percent of the volume landed in 1961, they accounted for nearly half (47 percent) of the total value paid to fishermen. The value of northern lobsters and sea scallop meats amounted to $23 million or 79 percent of the total value of the shellfish harvest. The 1961 production of lobsters (26 million pounds) was 3 million pounds less than in the previous year. However, the value of the catch ($14 million) was the second highest on record.

A record catch of sea scallops was landed in New England in 1961, when 24 million pounds of meats, valued at $9 million, were recorded. The amount paid to fishermen ($9 million) was less than the record $9.8 million paid in 1959 for 20 million pounds of sea scallop meats. Sea scallop imports from Canada in 1961 amounted to 8.6 million pounds--2 million pounds higher than for 1960. As a conservation measure, many sea scallopers have now adopted the use of 4-inch rings instead of the 3-inch formerly used in sea scallop dredges. In addition to conserving small stock, the larger rings result in a cleaner catch of the shellfish.

NEW ENGLAND FISHERIES

The Massachusetts Division of Marine Fisheries set up regulations concerning sanitary rules for sea scallop vessels, boats, and processing plants. Every craft and plant must be inspected and certified. The regulations will go into effect on January 1, 1962. Separate rules for bay scallopers will become effective on October 1, 1962.

Large numbers of Russian and some Polish vessels fished Georges Bank in 1961, and their presence caused concern. They were first reported in this area in 1960. Up to 100 vessels were reported at one time, including stern trawlers, gill netters and motherships. Apparently, the fleet fished mostly for herring.

The first application for benefits under the Fishery Vessel Construction Differential Subsidy program was filed by a New Bedford fishermen in April 1961. The Act was approved on June 12, 1960 to provide financial assistance in smoothing out differences in cost between foreign and domestic construction of fishing vessels. Under this Act, the Secretary of the Interior is authorized to pay up to one-third of the cost of construction of a new fishing vessel providing the proposed vessel, owner, and the fishery in which it will engage meet certain requirements. At the present time, the New England groundfish industry is the only fishery meeting the requirements of the program.

The Area Redevelopment Act was signed into law on May 1, 1961. In November, financing was approved for a study by the New Bedford Institute of Technology of the sea scallop and flounder industries. The Institute was authorized to spend up to $100,000 in a market research study and a survey of present processing facilities. The purpose of this study is to provide additional jobs in this depressed area.

The Bureau's new aquarium building at Woods Hole was completed in April. The acquisition of this new facility was of twofold importance, for it provided, once again, a public attraction which had been missing since 1954, and it furnished the laboratory a much-needed research adjunct. The aquarium was opened to the public on July 1, 1961.

During the year, voluntary grade standards, developed by the Bureau, became effective for frozen fried breaded scallops, and proposed standards were developed for frozen sole and flounder fillets. Product standards had previously been established for frozen fish sticks, fish blocks, haddock fillets, cod fillets, ocean perch fillets, and breaded portions.

Construction on the fishery research vessel Albatross IV, which will replace the former Albatross III began during the year. This vessel is being constructed under the national oceanographic program and will cost $1.8 million. The vessel will be 187 feet long with a beam of 33 feet. There will be berthing space for a 25-man crew and 16 scientists. The vessel is the first stern trawler to be built in the United States. It is designed for use in fisheries and oceanographic research in any navigable waters in the world.

The Massachusetts frozen food code went into effect early in the year. The most important provision with respect to the fisheries is that a temperature of 0° F. must be maintained throughout the distribution chain.

The Massachusetts Advisory Commission on Marine Fisheries submitted a report of the State's marine fishery programs and problems to the Governor in January 1961. The report, based on a comprehensive study, included 16 specific recommendations. The major ones were: (1) The Director of Marine Fisheries be given increased authority to regulate the fisheries, (2) An advisory commission be made permanent, and (3) an accelerated program of research management be authorized.

* * *

NEW ENGLAND FISHERIES

The University of Rhode Island acquired its first oceanographic research vessel in 1961. The vessel (a 17-year-old, 180-foot former Army freighter) had been in mothballs at Rio Vista, California. The vessel will be fitted to carry on research in physical, chemical, geological, and biological oceanography. It will have quarters for 21 scientists and a crew of 15 men.

The increased activity of skin diving enthusiasts, particularly in the lobster fishery, continued to cause concern among other commercial fishermen. In 1961, the Maine legislature passed a law prohibiting the taking of lobsters by skin divers. New Hampshire already has such legislation. In an effort to counteract unfavorable comments on alleged activities of skin divers, several of the diving organizations assisted in locating and salvaging gear lost by commercial fishermen. They also contributed their time and resources to scientific research under government leadership.

Legislation was enacted by Maine in 1961 for the purpose of preventing the Gloucester fleet of whiting vessels from fishing in Casco Bay. This was accomplished by restricting vessel size and gear size to be used in the area. The denial of this area to the Gloucester vessels created only slight inconvenience and had little bearing on the overall catch. Maine vessels made better catches due to the elimination of some competition.

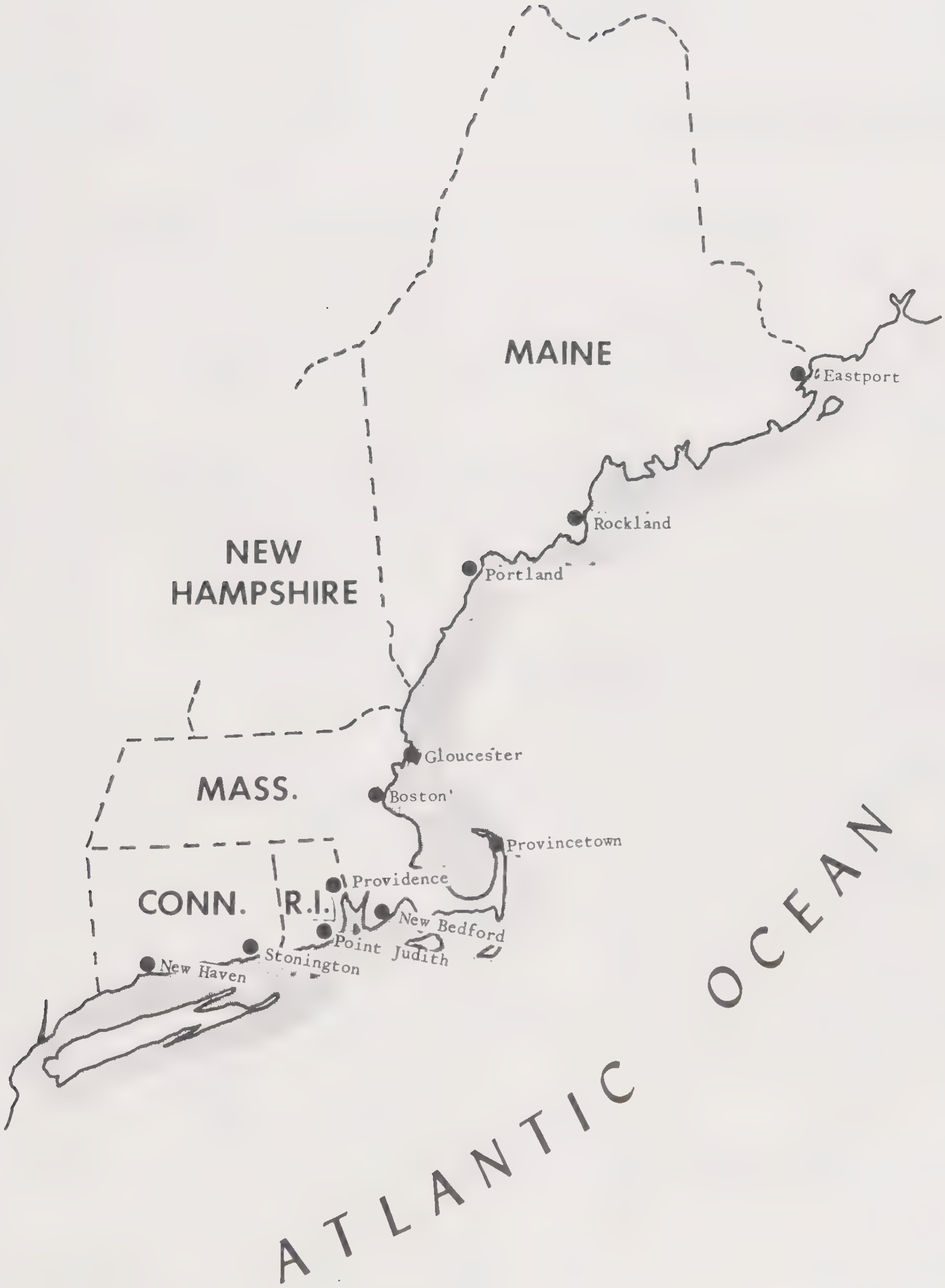
A law passed by the Canadian government had a direct effect upon the New England industry. A 4-inch minimum length law for sea herring, similar to legislation in Maine, was placed in effect. Previously, fish smaller than 4 inches were caught in Canada, exported, and packed in Maine.

Labor-management relations were fairly amicable along the New England waterfront in 1961, and several new contracts between labor and management were negotiated. The most serious dispute occurred in Gloucester when a 71-day impasse between stevedores and their employers blocked imports of frozen fish at this port. Since the cargo carriers were diverted to other ports, no work stoppages resulted at the fish stick and portion plants which are so dependent upon this source of raw supply. A 5-day work stoppage in New Bedford ended in the signing of a 3-year contract by shore workers and processors. New Bedford fishermen and vessel owners also reached agreement on a 3-year contract. New working agreements were also reached by shore workers and employees in Gloucester and on Atlantic Avenue in Boston. Wage increases for the most part were moderate.

The Bureau acknowledges the assistance of the following organizations in the collection of data appearing in this section: The Maine Department of Sea and Shore Fisheries; the New Hampshire Fish and Game Department; the Massachusetts Department of Natural Resources, Division of Marine Fisheries; the Rhode Island Department of Agriculture and Conservation, Division of Fish and Game; the Connecticut State Board of Fisheries and Game; and the Connecticut State Shell Fish Commission.

The following tables contain summarized and detailed information on the 1961 operating units and catch of fish and shellfish in the New England States. Condensed summary data on the operating units and catch by States of the New England area, appearing on the following pages, have been previously published in Current Fishery Statistics No. 3010. Additional data on many aspects of the New England fisheries may be found in the Maine, Massachusetts, Rhode Island monthly and annual landing bulletins released by the Branch of Statistics and in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, Commonwealth Pier, Boston, Massachusetts.

NEW ENGLAND FISHERIES


MAINE
Eastport
Rockland
Portland
NEW HAMPSHIRE
Gloucester
MASS.
Boston
Provincetown
CONN.
R.I.
Providence
New Bedford
Point Judith
Stonington
New Haven
ATLANTIC OCEAN

NEW ENGLAND STATES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MAINE	164	5	34	14	198	19
NEW HAMPSHIRE	(1)	(1)	1	1	1	1
MASSACHUSETTS	440	25	31	12	471	37
RHODE ISLAND	80	2	4	1	84	3
CONNECTICUT	5	(1)	1	1	6	1
TOTAL	689	32	71	29	760	61

1/ LESS THAN 500,000 POUNDS OR $500,000.

SUMMARY OF OPERATING UNITS, 1961

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	598	-	3,426	380	143	4,231
ON BOATS AND SHORE:						
REGULAR	5,402	84	859	595	104	7,044
CASUAL	3,345	261	5,603	623	630	10,462
TOTAL	9,345	345	9,888	1,598	877	21,737
VESSELS, MOTOR	150	-	497	101	55	738
GROSS TONNAGE	8,482	-	34,914	2,936	1,480	44,242
BOATS:						
MOTOR	6,620	176	2,646	1,135	578	11,155
OTHER	279	9	360	37	24	709
GEAR:						
HAUL SEINES, COMMON	1	-	6	4	8	19
LENGTH, YARDS	100	-	209	883	744	1,936
STOP SEINES	114	-	-	-	-	114
LENGTH, YARDS	51,300	-	-	-	-	51,300
PURSE SEINES:						
HERRING	14	-	-	-	-	14
LENGTH, YARDS	4,900	-	-	-	-	4,900
MACKEREL	2	-	-	2	-	4
LENGTH, YARDS	700	-	-	600	-	1,300
MENHADEN	-	-	5	6	-	7
LENGTH, YARDS	-	-	1,875	1,950	-	2,550
TUNA	-	-	2	-	-	2
LENGTH, YARDS	-	-	900	-	-	900
OTHER	-	-	5	-	-	5
LENGTH, YARDS	-	-	2,600	-	-	2,600
BAG NETS	5	4	-	-	-	9
OTTER TRAWLS:						
FISH	115	-	410	84	70	631
YARDS AT MOUTH	2,634	-	10,901	1,973	1,299	15,661
SHRIMP	10	-	-	-	-	10
YARDS AT MOUTH	200	-	-	-	-	200
WEIRS	116	9	-	-	-	125
POUND NETS, FISH	-	-	58	-	-	58
FLOATING TRAPS	9	-	25	14	-	48
FYKE AND HOOP NETS, FISH	3	-	-	12	8	23
POTS AND TRAPS:						
CONCH	-	-	95	500	278	873
CRAB	-	90	152	1,320	-	1,562
EEL	-	-	295	396	516	1,207
LOBSTER	760,413	16,250	90,463	9,496	7,913	884,535
BOX TRAPS	10	-	-	-	-	10
GILL NETS:						
ANCHOR, SET OR STAKE	8	-	24	1	10	41
SQUARE YARDS	18,180	-	143,640	486	1,913	145,219
DRIFT:						
SHAD	-	-	-	-	60	60
SQUARE YARDS	-	-	-	-	93,993	93,993
OTHER	-	1	20	-	7	28
SQUARE YARDS	-	2,500	103,000	-	1,309	106,809
LINES:						
HAND	212	360	1,943	149	43	2,707
HOOKS	246	720	2,088	268	79	3,401

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	MAINE	NEW HAMPSHIRE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
LINES - CONTINUED:						
TROLL	-	-	9	17	-	26
HOOKS	-	-	9	30	-	39
LONG OR SET WITH HOOKS	92	4	88	10	-	194
HOOKS	353,000	6,500	262,280	7,044	-	628,824
DIP NETS, COMMON	88	-	162	-	397	647
LIFT NETS	-	-	1	-	-	1
HARPOONS:						
SWORDFISH	-	-	79	19	2	99
OTHER	35	-	25	-	-	60
SPEARS	-	-	7	2	1	10
DREDGES:						
CLAM	-	-	31	14	6	51
YARDS AT MOUTH	-	-	26	14	6	46
MUSSEL	-	-	10	1	-	11
YARDS AT MOUTH	-	-	9	2	-	11
OYSTER, COMMON	2	-	3	-	21	26
YARDS AT MOUTH	2	-	3	-	26	31
SCALLOP	55	-	1,459	42	-	1,542
YARDS AT MOUTH	99	-	1,563	33	-	1,646
TONGS:						
OYSTER	-	-	22	6	11	39
OTHER	-	-	157	946	6	1,109
RAKES:						
OYSTER	-	-	9	-	-	9
OTHER	250	-	695	236	-	1,181
HOES	2,301	45	902	7	6	3,261
FORKS	-	-	89	-	-	89
DIVING OUTFITS	-	-	536	-	-	536

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	1,667	25	100	1	20,838	193
ANCHOVIES	-	-	-	-	52	5
ANGLERFISH	-	-	-	-	9	(1)
BLUEFISH	-	-	-	-	18	3
BONITO	-	-	-	-	17	2
BUTTERFISH	7	1	-	-	1,116	171
COD	2,507	124	30	2	38,166	2,361
CUSK	600	31	6	(1)	1,297	70
EELS:						
COMMON	32	8	5	1	20	4
CONGER	-	-	-	-	(1)	(1)
FLOUNDERS:						
BLACKBACK	158	7	-	-	11,934	1,355
DAB	689	33	-	-	2,792	217
FLUKE	-	-	-	-	5,240	932
GRAY SOLE	570	58	-	-	1,987	270
LEMON SOLE	(1)	(1)	-	-	2,408	534
YELLOWTAIL	66	4	-	-	34,669	2,956
TOTAL FLOUNDERS	1,483	102	-	-	59,030	6,264
HADDOCK	2,940	227	35	3	130,478	9,666
HAKE:						
RED	-	-	-	-	7,146	[illegible]
WHITE	2,731	95	(1)	(1)	2,363	[illegible]
HALIBUT	69	21	2	1	214	[illegible]
HERRING, SEA	54,463	1,036	-	-	3,122	46
LAUNCE	-	-	-	-	194	11
MACKEREL	153	10	[illegible]	1	1,924	[illegible]
MENHADEN	-	-	-	-	3,363	[illegible]
OCEAN PERCH	77,350	2,942	-	-	54,712	[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
POLLOCK	3,206	103	5	(1)	18,171	691
SALMON	(1)	(1)	-	-	(1)	(1)
SCUP OR PORGY	-	-	-	-	1,089	45
SEA BASS	-	-	-	-	51	7
SHAD	-	-	-	-	80	1
SHARKS:						
GRAYFISH	966	6	-	-	(1)	(1)
UNCLASSIFIED	16	1	-	-	17	1
TOTAL SHARKS	982	7	-	-	17	1
SKATES	-	-	-	-	39	1
SMELT	79	22	59	19	-	-
STRIPED BASS	(1)	(1)	-	-	210	37
STURGEON	1	(1)	-	-	5	(1)
SWORDFISH	6	2	-	-	694	268
TAUTOG	-	-	-	-	19	1
TILEFISH	-	-	-	-	357	37
TUNA, BLUEFIN	105	9	-	-	2,210	116
WHITING	14,147	237	-	-	74,010	1,616
WOLFFISH	49	2	(1)	(1)	594	37
UNCLASSIFIED:						
FOR FOOD	3	(1)	-	-	5,912	369
BAIT, REDUCTION, AND ANIMAL FOOD	1,462	9	-	-	12,710	92
TOTAL FISH	164,042	5,013	249	28	440,247	24,864
SHELLFISH, ETC.						
CRABS:						
GREEN	-	-	39	2	58	6
ROCK	1,579	58	25	1	83	7
TOTAL CRABS	1,579	58	64	3	141	13
LOBSTERS, NORTHERN	20,918	11,120	823	387	3,303	1,763
SHRIMP	67	14	-	-	1	(1)
CLAMS:						
HARD:						
PUBLIC	13	7	-	-	1,651	939
PRIVATE	-	-	-	-	13	13
RAZOR	-	-	-	-	25	8
SOFT, PUBLIC	1,844	794	-	-	653	451
SURF	-	-	-	-	12	2
TOTAL CLAMS	1,857	801	-	-	2,354	1,413
CONCHS	-	-	-	-	9	1
MUSSELS, SEA	2	(1)	-	-	543	41
OYSTERS, MARKET:						
PUBLIC:						
SPRING	3	2	-	-	20	18
FALL	-	-	-	-	23	21
PRIVATE:						
SPRING	-	-	-	-	4	6
FALL	-	-	-	-	37	55
TOTAL OYSTERS	3	2	-	-	84	100
PERIWINKLES AND COCKLES	34	10	-	-	-	-
SCALLOPS:						
BAY	-	-	-	-	573	563
SEA	2,740	1,025	-	-	21,035	8,010
SEA URCHINS	74	2	-	-	-	-
SQUID	-	-	-	-	868	65
IRISH MOSS	5,417	81	-	-	1,578	33
BLOODWORMS	594	516	2	1	4	4
SANDWORMS	643	387	8	7	34	30
TOTAL SHELLFISH, ETC.	33,928	14,016	897	398	30,527	12,036
GRAND TOTAL	197,970	19,029	1,146	426	470,774	36,900

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	6	(1)	22,611	219
ANCHOVIES	19	2	-	-	71	7
ANGLERFISH	(1)	(1)	-	-	9	(1)
BLUEFISH	49	7	11	3	78	13
BONITO	29	4	-	-	46	6
BUTTERFISH	2,947	252	89	8	4,159	432
CARP	-	-	3	(1)	3	(1)
COD	1,066	69	400	25	42,169	2,581
CUNNER	-	-	(1)	(1)	(1)	(1)
CUSK	-	-	-	-	1,905	101
EELS:						
COMMON	45	9	13	2	115	24
CONGER	5	(1)	-	-	5	(1)
FLOUNDERS:						
BLACKBACK	2,028	129	980	63	15,100	1,554
DAB	46	5	6	1	3,533	256
FLUKE	948	178	155	29	6,343	1,139
GRAY SOLE	18	2	8	1	2,583	331
LEMON SOLE	8	1	(1)	(1)	2,416	535
YELLOWTAIL	2,338	175	107	8	37,180	3,143
TOTAL FLOUNDERS	5,386	490	1,256	102	67,155	6,958
HADDOCK	64	4	19	1	133,536	9,901
HAKE:						
RED	51	1	30	1	7,227	88
WHITE	10	(1)	(1)	(1)	5,104	211
HALIBUT	-	-	-	-	285	80
HERRING, SEA	188	8	83	3	57,856	1,096
KING MACKEREL	2	(1)	-	-	2	(1)
KING WHITING OR "KINGFISH"	1	(1)	-	-	1	(1)
LAMPREY	-	-	1	(1)	1	(1)
LAUNCE	-	-	-	-	194	11
MACKEREL	171	27	23	5	2,276	327
MENHADEN	22,636	193	12	(1)	26,011	223
OCEAN PERCH	-	-	-	-	132,062	5,114
POLLOCK	14	1	3	(1)	21,399	795
SALMON	-	-	-	-	(1)	(1)
SCUP OR PORGY	7,105	345	992	69	9,186	459
SEA BASS	170	36	42	8	263	51
SEA ROBIN	191	3	22	1	213	4
SEA TROUT OR WEAKFISH, GRAY	1	(1)	2	(1)	3	(1)
SHAD	4	(1)	463	79	547	80
SHARKS:						
GRAYFISH	(1)	(1)	4	(1)	970	6
UNCLASSIFIED	1	(1)	5	(1)	39	2
TOTAL SHARKS	1	(1)	9	(1)	1,009	8
SILVERSIDES	-	-	1	(1)	1	(1)
SKATES	2	(1)	3	(1)	44	1
SMELT	-	-	1	(1)	139	41
SPANISH MACKEREL	(1)	(1)	-	-	(1)	(1)
STRIPED BASS	167	26	20	4	[illegible]	[illegible]
STURGEON	1	(1)	9	1	[illegible]	1
SUCKERS	-	-	5	(1)	5	(1)
SWORDFISH	128	49	1	1	[illegible]	[illegible]
TAUTOG	51	2	24	1	94	4
TILEFISH	285	24	(1)	(1)	[illegible]	[illegible]
TUNA, BLUEFIN	38	6	-	-	2,353	[illegible]
WHITE PERCH	8	1	-	-	8	1
WHITING	5,021	124	[illegible]	19	93,945	[illegible]
WOLFFISH	-	-	-	-	[illegible]	[illegible]
UNCLASSIFIED:						
FOR FOOD	100	10	29	2	[illegible]	[illegible]
BAIT, REDUCTION, AND ANIMAL FOOD	34,006	164	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL FISH	79,962	1,857	[illegible]	342	[illegible]	[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:						
BLUE, HARD	-	-	4	1	4	1
GREEN	29	3	-	-	126	11
ROCK	213	22	-	-	1,900	88
TOTAL CRABS	242	25	4	1	2,030	100
LOBSTERS, NORTHERN	680	367	207	130	25,931	13,767
SHRIMP	-	-	-	-	68	14
CLAMS:						
HARD:						
PUBLIC	2,608	992	420	176	4,692	2,114
PRIVATE	-	-	-	-	13	13
OCEAN QUAHOG	124	12	-	-	124	12
RAZOR	-	-	-	-	25	8
SOFT, PUBLIC	7	4	(1)	(1)	2,504	1,249
SURF	-	-	-	-	12	2
TOTAL CLAMS	2,739	1,008	420	176	7,370	3,398
CONCHS	43	9	65	10	117	20
MUSSELS, SEA	70	7	-	-	615	48
OYSTERS, MARKET:						
PUBLIC:						
SPRING	3	3	4	3	30	26
FALL	4	4	-	-	27	25
PRIVATE:						
SPRING	-	-	109	138	113	144
FALL	-	-	246	275	283	330
TOTAL OYSTERS	7	7	359	416	453	525
PERIWINKLES AND COCKLES	-	-	-	-	34	10
SCALLOPS:						
BAY	2	2	129	106	704	671
SEA	(1)	(1)	-	-	23,775	9,035
SEA URCHINS	-	-	-	-	74	2
SQUID	301	35	52	5	1,221	105
IRISH MOSS	-	-	-	-	6,995	114
BLOODWORMS	-	-	-	-	600	521
SANDWORMS	-	-	-	-	685	424
TOTAL SHELLFISH, ETC.	4,084	1,460	1,236	844	70,672	28,754
GRAND TOTAL	84,046	3,317	6,142	1,186	760,078	60,858

1/ LESS THAN 500 POUNDS OR $500.

HADDOCK

CATCH OF CERTAIN SHELLFISH, 1961

(NUMBER AND BUSHELS)

SPECIES		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
GREEN	NUMBER	-	-	557,310	$1,856
ROCK	DO	4,737,900	$58,385	75,000	875
CLAMS:					
HARD, PUBLIC	U. S. STANDARD BUSHEL	1,145	6,746	-	-
SOFT, PUBLIC	DO	122,967	793,590	-	-
MUSSELS, SEA	DO	147	92	-	-
OYSTERS, MARKET, PUBLIC, SPRING	DO	387	2,290	-	-
PERIWINKLES AND COCKLES	DO	1,872	10,274	-	-
SCALLOPS, SEA	DO	456,683	1,025,375	-	-

SPECIES		MASSACHUSETTS		RHODE ISLAND	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
GREEN	NUMBER	821,675	$5,665	405,426	$3,500
ROCK	DO	248,100	6,539	637,800	22,293
CLAMS:					
HARD:					
PUBLIC	U. S. STANDARD BUSHEL	150,118	938,732	217,292	992,603
PRIVATE	DO	1,145	12,650	-	-
OCEAN QUAHOG	DO	-	-	12,440	12,440
RAZOR	DO	1,538	7,878	-	-
SOFT, PUBLIC	DO	50,200	450,528	538	4,320
SURF	DO	1,100	2,075	-	-
CONCHS	DO	600	1,200	2,867	8,587
MUSSELS, SEA	DO	54,270	41,132	7,000	7,000
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	3,077	18,000	429	2,427
FALL	DO	3,477	21,200	643	3,640
PRIVATE:					
SPRING	DO	569	5,166	-	-
FALL	DO	5,723	54,675	-	-
SCALLOPS:					
BAY	DO	95,467	563,439	283	1,627
SEA	DO	3,505,800	8,010,079	17	37

SPECIES		CONNECTICUT		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE, HARD	NUMBER	8,400	$921	8,400	$921
GREEN	DO	-	-	1,784,411	11,021
ROCK	DO	-	-	5,698,800	88,092
CLAMS:					
HARD:					
PUBLIC	U. S. STANDARD BUSHEL	34,967	176,263	403,522	2,114,344
PRIVATE	DO	-	-	1,145	12,650
OCEAN QUAHOG	DO	-	-	12,440	12,440
RAZOR	DO	-	-	1,538	7,878
SOFT, PUBLIC	DO	31	254	173,736	1,248,692
SURF	DO	-	-	1,100	2,075
CONCHS	DO	4,320	10,437	7,787	20,224
MUSSELS, SEA	DO	-	-	61,417	48,224
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	532	2,853	4,425	25,570
FALL	DO	-	-	4,120	24,840
PRIVATE:					
SPRING	DO	14,156	138,405	14,725	143,571
FALL	DO	31,883	275,625	37,606	330,300
PERIWINKLES AND COCKLES	DO	-	-	1,872	10,274
SCALLOPS:					
BAY	DO	20,726	105,459	116,476	670,525
SEA	DO	-	-	3,962,500	9,035,491

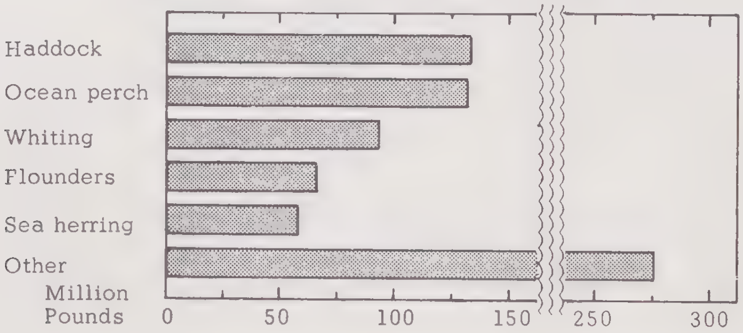
NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1961

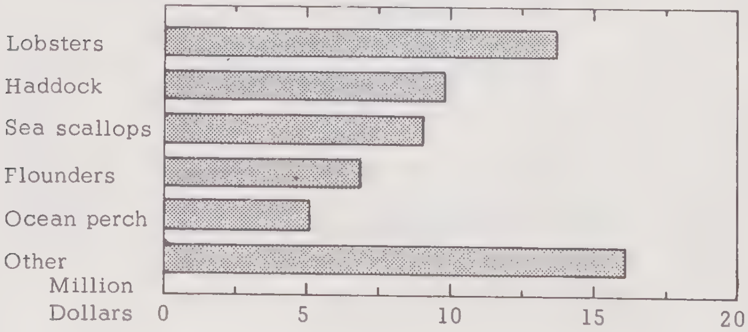
SPECIES		MAINE	NEW HAMPSHIRE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT
		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:						
BLUE, HARD.	NUMBER PER POUND	-	-	-	-	2.40
GREEN	DO	-	14.29	14.29	13.79	-
ROCK.	DO	3.00	3.00	3.00	3.00	-
CLAMS:						
HARD:						
PUBLIC.	LBS. OF MEATS PER U.S. STANDARD BUSHEL	11.00	-	11.00	12.00	12.00
PRIVATE	DO	-	-	11.00	-	-
OCEAN QUAHOG.	DO	-	-	-	10.00	-
RAZOR	DO	-	-	16.00	-	-
SOFT, PUBLIC.	DO	15.00	-	13.00	13.00	13.00
SURF.	DO	-	-	11.00	-	-
CONCHS.	DO	-	-	15.00	15.00	15.00
MUSSELS, SEA.	DO	15.00	-	10.00	10.00	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	DO	7.50	-	6.50	7.00	7.70
FALL.	DO	-	-	6.50	7.00	-
PRIVATE:						
SPRING.	DO	-	-	6.50	-	7.70
FALL.	DO	-	-	6.50	-	7.70
PERIWINKLES AND COCKLES	DO	18.00	-	-	-	-
SCALLOPS:						
BAY	DO	-	-	6.00	6.00	6.20
SEA	DO	6.00	-	6.00	6.00	-

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

NEW ENGLAND STATES CATCH, 1961



VALUE OF NEW ENGLAND STATES CATCH, 1961



MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES, CURED (SALTED AND SMOKED)	POUNDS	350,158	$51,792	-	-
COD:					
FILLETS:					
FRESH	DO	125,365	30,175	-	-
FROZEN	DO	206,603	69,915	-	-
CURED (SALTED AND SMOKED)	DO	24,955	8,478	-	-
CUSK FILLETS, FRESH	DO	102,305	31,542	-	-
FLOUNDER FILLETS:					
FRESH	DO	31,420	10,884	-	-
FROZEN	DO	37,652	15,060	-	-
HADDOCK:					
FILLETS:					
FRESH	DO	644,231	248,095	-	-
FROZEN	DO	415,482	165,810	-	-
SMOKED (FINNAN HADDIE)	DO	37,370	10,368	-	-
HAKE FILLETS, FRESH	DO	207,074	59,455	-	-
HERRING, SEA:					
SARDINES, CANNED	STANDARD CASES	753,647	7,559,619	-	-
CURED (SALTED, SMOKED AND KIPPERED)	POUNDS	457,640	149,126	-	-
OCEAN PERCH FILLETS:					
FRESH	DO	220,050	57,213	-	-
FROZEN	DO	20,992,686	5,320,457	-	-
POLLOCK FILLETS:					
FRESH	DO	341,845	50,794	-	-
FROZEN	DO	600,995	94,601	-	-
WHITING FILLETS, FRESH AND FROZEN	DO	609,493	97,143	-	-
WOLFFISH FILLETS, FRESH	DO	2,900	815	-	-
CRAB MEAT, COOKED	DO	162,633	214,019	-	-
LOBSTER MEAT, COOKED (NORTHERN)	DO	254,331	771,821	29,500	$88,875
CLAMS:					
SHUCKED, SOFT	GALLONS	86,063	537,261	66,104	408,126
CANNED, SOFT AND HARD:					
WHOLE AND MINCED	STANDARD CASES	20,066	294,048	-	-
CHOWDER AND JUICE	DO	503,525	3,328,240	-	-
SCALLOPS, SEA, BREADED (COOKED AND RAW)	POUNDS	(1)	(1)	-	-
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN, PACKAGED:					
FISH:					
PORTIONS:					
RAW:					
NOT BREADED	DO	(2)	(2)	-	-
BREADED	DO	(2)	(2)	-	-
COOKED, BREADED	DO	(2)	(2)	-	-
STICKS, BREADED:					
RAW	DO	(2)	(2)	-	-
COOKED	DO	(2)	(2)	-	-
FISH AND SHELLFISH	DO	3/5,908,353	3/3,182,149	-	-
CANNED:					
FISH AND SHELLFISH (EDIBLE)	STANDARD CASES	5/ 101,653	5/1,368,252	-	-
ANIMAL FOOD	DO	827,438	5,234,321	-	-
CURED FISH	POUNDS	9/ 59,440	9/17,589	-	-
INDUSTRIAL PRODUCTS	-	-	11/4,458,975	-	-
TOTAL	-	-	33,438,017	-	497,001

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
COD:					
FILLETS:					
FRESH	POUNDS	2,684,423	$830,881	-	-
FROZEN	DO	2,724,615	687,392	-	-
STEAKS, FRESH AND FROZEN	DO	395,624	84,677	-	-
CURED (SALTED AND SMOKED)	DO	(1)	(1)	-	-
CUSK FILLETS:					
FRESH	DO	206,567	56,594	-	-
FROZEN	DO	31,377	9,411	-	-
FLOUNDER FILLETS:					
FRESH	DO	12,013,585	4,506,309	(1)	(1)
FROZEN	DO	5,142,026	1,554,480	(1)	(1)
HADDOCK:					
FILLETS:					
FRESH	DO	19,146,359	6,246,046	-	-
FROZEN	DO	16,495,941	4,704,424	-	-
SMOKED (FINNAN HADDIE)	DO	(1)	(1)	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
HAKE FILLETS:					
FRESH	POUNDS	77,981	$21,532	-	-
FROZEN	DO	13,167	2,183	-	-
HALIBUT STEAKS, FROZEN	DO	881,640	381,995	-	-
HERRING, SEA, CURED (SALTED, SMOKED AND KIPPERED)	DO	344,616	131,626	-	-
MACKEREL FILLETS:					
FRESH	DO	10,000	2,600	-	-
FROZEN	DO	22,000	6,100	-	-
OCEAN PERCH FILLETS:					
FRESH	DO	212,585	53,877	-	-
FROZEN	DO	16,068,422	4,043,603	-	-
POLLOCK FILLETS:					
FRESH	DO	1,313,319	294,757	-	-
FROZEN	DO	4,304,782	741,145	-	-
SALMON STEAKS, FROZEN	DO	46,010	35,468	-	-
SWORDFISH STEAKS, FROZEN	DO	72,385	41,037	-	-
WHITING FILLETS, FRESH AND FROZEN	DO	2,637,285	524,910	(1)	(1)
WOLFFISH FILLETS:					
FRESH	DO	30,610	10,055	-	-
FROZEN	DO	193,515	63,092	-	-
CRAB MEAT, COOKED	DO	119,620	235,005	-	-
LOBSTER MEAT, COOKED (NORTHERN)	DO	576,733	1,667,850	(1)	(1)
SHRIMP, COOKED (INCLUDING PEELED AND BREADED)	DO	771,376	1,259,482	-	-
CLAMS:					
SHUCKED:					
HARD (INCLUDING SURF AND RAZOR)	GALLONS	118,450	249,130	336,510	$1,418,804
SOFT	DO	106,738	639,051	12,750	60,562
CANNED, SOFT AND HARD:					
WHOLE AND MINCED	STANDARD CASES	-	-	(1)	(1)
CHOWDER AND JUICE	DO	(1)	(1)	(1)	(1)
OYSTERS, SHUCKED	GALLONS	-	-	10,339	86,326
SCALLOPS:					
BAY, SHUCKED	DO	65,463	563,439	14,458	107,086
SEA, BREADED (COOKED AND RAW)	POUNDS	5,572,924	3,846,668	-	-
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN, PACKAGED:					
FISH:					
PORTIONS:					
RAW:					
NOT BREADED	DO	650,317	252,804	-	-
BREADED	DO	10,886,969	3,781,238	-	-
COOKED, BREADED	DO	5,794,684	2,264,900	-	-
STICKS, BREADED:					
RAW	DO	289,443	105,000	-	-
COOKED	DO	37,497,549	15,357,457	-	-
FISH CAKES, COOKED	DO	3,156,247	1,217,639	-	-
FISH AND SHELLFISH	DO	4/8,985,294	4/6,162,738	-	-
CANNED:					
FISH AND SHELLFISH (EDIBLE)	STANDARD CASES	6/79,701	6/1,121,011	(7)	(7)
ANIMAL FOOD	DO	8/628,838	8/2,867,020	-	-
CURED FISH	POUNDS	10/2,014,292	10/1,421,509	-	-
INDUSTRIAL PRODUCTS	-	-	12/1,787,554	(7)	(7)
MISCELLANEOUS ITEMS	-	-	-	-	13/2,338,305
TOTAL	-	-	69,833,689	-	4,011,083

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS". 2/ INCLUDED WITH MISCELLANEOUS FISH AND SHELLFISH. 3/ INCLUDES FROZEN BREADED OCEAN PERCH FILLETS, SCALLOPS (RAW AND COOKED), PORTIONS AND STICKS (RAW AND COOKED), FROZEN FISH DINNERS, UNBREADED RAW PORTIONS, LOBSTER SPECIALTIES (DINNER, NEWBURG, PIE, AND STEW), AND SCALLOP DINNER. 4/ INCLUDES FROZEN, BREADED, AND COOKED SMELTS, FISH FILLETS, FISH BITS, SHRIMP CROQUETTES, AND CLAMS; FROZEN FLOUNDER IN SAUCE, HADDOCK DINNERS, HALIBUT IN SAUCE, TUNA LINKS, TUNA LOAF, FISH DINNERS, SHRIMP DINNERS, LOBSTER NEWBURG, STUFFED CLAMS, AND SCALLOP DINNERS. 5/ INCLUDES CANNED CREAMED HADDOCK, SALMON SPREAD, SARDINES IN COCKTAIL SAUCE, TUNA, TUNA IN SHERRY, FISH CAKES, FISH FLAKES, FISH CHOWDER, CRAB MEAT, CRAB DIP, CRAB SPREAD, LOBSTER SPECIALTIES (BISQUE, KNUCKLES, MEAT, AND SPREAD), SHRIMP DIP, SHRIMP NEWBURG, CLAM SPECIALTIES (A LA KING, CAKES, DIP, SPREAD, STEAMED-IN-THE-SHELL, AND STEW), MUSSELS, AND SHELLFISH CHOWDER, AND SOUP. 6/ INCLUDES CANNED SALTED COD, GROUNDFISH ROE, FISH CAKES, FISH FLAKES, CLAM CHOWDER, AND CLAMS IN THE SHELL. 7/ INCLUDED WITH MISCELLANEOUS ITEMS. 8/ DOES NOT INCLUDE THE CANNED ANIMAL FOOD WHICH CONTAINS LESS THAN 10 POUNDS PER STANDARD CASE. 9/ INCLUDES DRIED POLLOCK; SALTED CUSK, HAKE, AND POLLOCK; SMOKED POLLOCK AND UNCLASSIFIED FILLETS. 10/ INCLUDES SALTED COD, HAKE, AND POLLOCK; SMOKED BUTTERFISH, CHUBS, COD, HADDOCK (FINNAN HADDIE), MACKEREL, POLLOCK, SABLEFISH, SALMON, TUNA, WHITEFISH, AND UNCLASSIFIED FISH. 11/ INCLUDES HERRING AND UNCLASSIFIED MEAL AND OIL; FISH SOLUBLES, IRISH MOSS EXTRACT, KELP PRODUCTS, AND PEARL ESSENCE. 12/ INCLUDES GROUNDFISH, MENHADEN, OCEAN PERCH, AND UNCLASSIFIED MEAL; MENHADEN, OCEAN PERCH, AND UNCLASSIFIED OIL; FISH SOLUBLES, HOMOGENIZED FISH, AND GLUE. 13/ INCLUDES FRESH AND FROZEN FLOUNDER FILLETS; FROZEN WHITING FILLETS; CANNED LOBSTER MEAT, MINCED CLAMS, CLAM BISQUE, CLAM CHOWDER, AND CLAM FRITTERS; MENHADEN AND UNCLASSIFIED MEAL, MENHADEN OIL, HOMOGENIZED FISH, AND MARINE PEARL SHELL BUTTONS.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

WHOLESALING AND MANUFACTURING, 1961

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL
WHOLESALING AND MANUFACTURING:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ESTABLISHMENTS	255	14	226	36	10	541
PERSONS ENGAGED:						
AVERAGE FOR SEASON	7,276	122	5,852	381	40	13,671
AVERAGE FOR YEAR	3,311	84	4,882	300	29	8,606
FISHERMEN MANUFACTURING. . . .	460	-	-	-	-	460

* * *

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEMS		QUANTITY	VALUE
PACKAGED PRODUCTS, FRESH AND FROZEN:			
NOT BREADED:			
FISH.	1,000 POUNDS	110,996	31,743
SHELLFISH	DO	8,627	7,484
BREADED:			
FISH.	DO	59,233	23,517
SHELLFISH	DO	9,533	7,364
SPECIALTIES, FISH AND SHELLFISH (NOT BREADED AND BREADED).	DO	9,720	5,845
CANNED:	1,000 STANDARD CASES		
FISH.		912	9,619
SHELLFISH	DO	588	4,389
ANIMAL FOOD	DO	1,456	8,101
CURED:			
SALTED AND PICKLED (INCLUDING DRIED).	1,000 POUNDS	1,457	446
SMOKED AND KIPPERED	DO	1,832	1,345
INDUSTRIAL PRODUCTS	-	-	7,927
TOTAL	-	-	107,780

* * *

VALUE OF MANUFACTURED PRODUCTS, BY STATES, 1961

(THOUSANDS OF DOLLARS)

STATE	VALUE
MAINE	33,438
NEW HAMPSHIRE	497
MASSACHUSETTS	69,834
RHODE ISLAND.	3,195
CONNECTICUT	816
TOTAL	107,780

NEW ENGLAND FISHERIES
MAINE

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	STOP SEINES	PURSE SEINES		BAG NETS	OTTER TRAWLS
			HERRING	MACKEREL		FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	97	3	-	-	335
ON BOATS AND SHORE:						
REGULAR	1	139	18	5	2	43
CASUAL	1	288	44	5	5	19
TOTAL	2	524	65	10	7	397
VESSELS, MOTOR	-	20	1	-	-	79
GROSS TONNAGE	-	344	16	-	-	6,613
BOATS:						
MOTOR	1	94	14	2	3	36
OTHER	-	146	14	2	3	-
GEAR:						
NUMBER	1	114	14	2	5	115
LENGTH, YARDS	100	51,300	4,900	700	-	-
YARDS AT MOUTH	-	-	-	-	-	2,634

ITEM	OTTER TRAWLS-CONTINUED	WEIRS	FLOATING TRAPS	FYKE AND HOOP NETS, FISH	POTS AND TRAPS	
	SHRIMP				LOBSTER	BOX TRAPS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	37	-
ON BOATS AND SHORE:						
REGULAR	10	116	13	-	4,325	-
CASUAL	-	92	2	2	2,147	13
TOTAL	10	208	15	2	6,509	13
VESSELS, MOTOR	-	-	-	-	35	-
GROSS TONNAGE	-	-	-	-	349	-
BOATS:						
MOTOR	10	116	8	2	6,421	3
OTHER	-	116	5	-	32	-
GEAR:						
NUMBER	10	116	9	3	760,413	10
YARDS AT MOUTH	200	-	-	-	-	-

ITEM	GILL NETS, ANCHOR, SET OR STAKE	LINES		DIP NETS, COMMON	HARPOONS	DREDGES
		HAND	LONG OR SET WITH HOOKS			OYSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	19	5	-	-	-	-
ON BOATS AND SHORE:						
REGULAR	1	33	108	40	24	-
CASUAL	2	128	44	48	47	5
TOTAL	22	166	152	88	71	5
VESSELS, MOTOR	5	3	-	-	-	-
GROSS TONNAGE	106	61	-	-	-	-
BOATS, MOTOR	3	50	92	1	35	2
GEAR:						
NUMBER	8	212	92	88	35	2
SQUARE YARDS	18,180	-	-	-	-	-
HOOKS	-	246	353,000	-	-	-

ITEM	DREDGES-CONTINUED	RAKES	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	SCALLOP				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	109	-	-	-	598
ON BOATS AND SHORE:					
REGULAR	38	-	1,365	52	5,402
CASUAL	10	250	936	34	3,345
TOTAL	157	250	2,301	86	9,345
VESSELS, MOTOR	12	-	-	-	150
GROSS TONNAGE	1,086	-	-	-	8,482
BOATS:					
MOTOR	35	125	-	-	6,620
OTHER	-	-	-	-	279
GEAR:					
NUMBER	55	250	2,301	-	-
YARDS AT MOUTH	99	-	-	-	-

MAINE - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		STOP SEINES		PURSE SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	107,300	$869	-	-
HERRING, SEA	28,000	$182	37,401,700	711,371	12,560,700	$236,645
MACKEREL	-	-	21,300	1,032	5,200	526
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	85,400	555	4,200	27
TOTAL	28,000	182	37,615,700	713,827	12,570,100	237,198

SPECIES	BAG NETS		OTTER TRAWLS		WEIRS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	1,163,000	$49,958	-	-
CUSK	-	-	375,800	18,803	-	-
FLOUNDERS:						
BLACKBACK	-	-	158,200	7,323	-	-
DAB	-	-	687,500	32,843	-	-
GRAY SOLE	-	-	569,700	58,143	-	-
LEMON SOLE	-	-	400	45	-	-
YELLOWTAIL	-	-	65,800	3,942	-	-
HADDOCK	-	-	2,620,900	196,784	-	-
HAKE, WHITE	-	-	778,300	28,866	-	-
HALIBUT	-	-	26,100	6,985	-	-
HERRING, SEA	-	-	40,200	2,570	4,405,800	$84,221
MACKEREL	-	-	-	-	94,800	5,506
OCEAN PERCH	-	-	77,350,000	2,942,311	-	-
POLLOCK	-	-	2,255,800	68,239	-	-
SHARKS, UNCLASSIFIED	-	-	1,600	96	-	-
SMELT	36,800	$10,496	-	-	-	-
STURGEON	-	-	300	24	-	-
WHITING	-	-	14,146,800	236,734	-	-
WOLFFISH	-	-	45,000	1,416	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	700	20	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	42,500	231	1,259,300	7,527	-	-
LOBSTERS, NORTHERN	-	-	7,800	5,315	-	-
SHRIMP	-	-	67,200	13,604	-	-
TOTAL	79,300	10,727	101,620,400	3,661,546	4,500,600	89,727

SPECIES	FLOATING TRAPS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUTTERFISH	7,400	$728	-	-	-	-
EELS, COMMON	-	-	1,700	$510	30,300	$6,925
HERRING, SEA	26,200	533	-	-	-	-
MACKEREL	31,000	2,771	-	-	-	-
SALMON	400	438	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	1,700	85	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	1,000	3
CRABS, ROCK 1/	-	-	-	-	1,579,300	58,385
LOBSTERS, NORTHERN	-	-	-	-	20,910,100	11,114,488
TOTAL	65,000	4,470	3,400	595	22,520,700	11,179,801

SPECIES	GILL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	782,800	$54,823	142,600	$4,521	418,100	$14,705
CUSK	8,300	412	4,200	212	211,100	11,818
FLOUNDERS:						
DAB	-	-	-	-	1,000	38
YELLOWTAIL	-	-	100	8	-	-
HADDOCK	150,100	14,701	900	73	168,000	15,507
HAKE, WHITE	310,100	16,414	7,400	328	1,634,700	49,419

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MAINE - CATCH BY GEAR, 1961 - Continued

SPECIES	GILL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	2,200	$515	4,500	$1,515	36,300	$12,206
MACKEREL	-	-	500	103	-	-
OCEAN PERCH	-	-	-	-	100	2
POLLOCK	854,600	32,418	69,700	1,983	26,000	715
SHARKS:						
GRAYFISH	938,200	6,099	-	-	27,800	181
UNCLASSIFIED	10,800	484	200	8	400	19
SMELT	8,300	2,357	29,700	8,349	-	-
STRIPED BASS	-	-	300	49	-	-
STURGEON	900	152	-	-	-	-
TUNA, BLUEFIN	-	-	2,900	386	-	-
WOLFFISH	-	-	-	-	4,400	111
UNCLASSIFIED:						
FOR FOOD	200	9	-	-	200	12
BAIT, REDUCTION, AND ANIMAL FOOD	18,900	123	-	-	50,200	326
TOTAL	3,085,400	128,507	263,000	17,535	2,578,300	105,059

SPECIES	DIP NETS		HARPOONS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,559,900	$23,634	-	-	-	-
SHARKS, UNCLASSIFIED	-	-	3,200	$140	-	-
SMELT	4,300	987	-	-	-	-
SWORDFISH	-	-	5,900	2,073	-	-
TUNA, BLUEFIN	-	-	102,200	8,797	-	-
OYSTERS, MARKET, PUBLIC, SPRING	-	-	-	-	2,900	$2,290
SCALLOPS, SEA	-	-	-	-	2,740,100	1,025,375
SEA URCHINS	74,100	1,998	-	-	-	-
TOTAL	1,638,300	26,619	111,300	11,010	2,743,000	1,027,665

SPECIES	RAKES		HOES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:						
HARD, PUBLIC	-	-	12,600	$6,746	-	-
SOFT, PUBLIC	-	-	1,844,500	793,590	-	-
MUSSELS, SEA	-	-	2,200	92	-	-
PERIWINKLES AND COCKLES	-	-	-	-	33,700	$10,274
IRISH MOSS	5,416,800	$81,252	-	-	-	-
BLOODWORMS	-	-	594,200	515,979	-	-
SANDWORMS	-	-	643,000	387,066	-	-
TOTAL	5,416,800	81,252	3,096,500	1,703,473	33,700	10,274

1/ INCLUDES A SMALL CATCH OF GREEN CRABS.

NEW ENGLAND FISHERIES

NEW HAMPSHIRE

OPERATING UNITS BY GEAR, 1961

ITEM	BAG NETS	WEIRS	POTS AND TRAPS	
			CRAB	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	-	-	-	84
CASUAL	4	11	2	106
TOTAL	4	11	2	190
BOATS:				
MOTOR	-	3	2	173
OTHER	-	4	-	5
GEAR, NUMBER	4	9	90	16,250

ITEM	GILL NETS, DRIFT	LINES		HOES	TOTAL, EXCLUSIVE OF DUPLICATION
		HAND	LONG OR SET WITH HOOKS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	2	10	8	-	84
CASUAL	-	170	-	45	261
TOTAL	2	180	8	45	345
BOATS:					
MOTOR	1	-	4	-	176
OTHER	-	-	-	-	9
GEAR:					
NUMBER	1	360	4	45	-
SQUARE YARDS	2,500	-	-	-	-
HOOKS	-	720	6,500	-	-

NEW HAMPSHIRE - CATCH BY GEAR, 1961

SPECIES	BAG NETS		WEIRS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100,000	$1,000	-	-
EELS, COMMON	-	-	5,000	1,100	-	-
SMELT	3,000	$1,100	21,000	4,200	-	-
CRABS:						
GREEN	-	-	-	-	39,000	$1,856
ROCK	-	-	-	-	25,000	875
LOBSTERS, NORTHERN	-	-	-	-	823,000	387,000
TOTAL	3,000	1,100	126,000	6,300	887,000	389,731

SPECIES	GILL NETS, DRIFT		LINES				HOES	
			HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	30,000	$1,800	-	-
CUSK	-	-	-	-	7,500	300	-	-
HADDOCK	-	-	-	-	35,000	3,000	-	-
HAKE, WHITE	-	-	-	-	500	25	-	-
HALIBUT	-	-	-	-	2,500	875	-	-
MACKEREL	4,500	$1,000	-	-	-	-	-	-
POLLOCK	-	-	-	-	5,000	200	-	-
SMELT	-	-	35,000	$13,300	-	-	-	-
WOLFFISH	-	-	-	-	500	25	-	-
BLOODWORMS	-	-	-	-	-	-	2,000	$1,200
SANDWORMS	-	-	-	-	-	-	8,000	6,800
TOTAL	4,500	1,000	35,000	13,300	81,000	6,225	10,000	8,000

NEW ENGLAND FISHERIES

MASSACHUSETTS

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES		
		MENHADEN	TUNA	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	40	18	80
ON BOATS AND SHORE:				
REGULAR	3	-	-	-
CASUAL	20	-	-	-
TOTAL	23	40	18	80
VESSELS, MOTOR	-	5	2	5
GROSS TONNAGE	-	343	144	356
BOATS:				
MOTOR	3	5	2	5
OTHER	3	5	-	5
GEAR:				
NUMBER	6	5	2	5
LENGTH, YARDS	209	1,875	900	2,600

ITEM	OTTER TRAWLS, FISH	POUND NETS, FISH	FLOATING TRAPS	POTS AND TRAPS
				CONCH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	2,475	8	3	-
ON BOATS AND SHORE:				
REGULAR	14	57	27	1
CASUAL	2	2	4	-
TOTAL	2,491	67	34	1
VESSELS, MOTOR	401	2	1	-
GROSS TONNAGE	28,008	22	12	-
BOATS:				
MOTOR	9	19	13	1
OTHER	-	21	14	-
GEAR:				
NUMBER	410	58	25	95
YARDS AT MOUTH	10,901	-	-	-

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS
	CRAB	EEL	LOBSTER	ANCHOR, SET OR STAKE
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	-	30
ON BOATS AND SHORE:				
REGULAR	2	1	311	20
CASUAL	2	6	1,079	6
TOTAL	4	7	1,390	56
VESSELS, MOTOR	-	-	-	8
GROSS TONNAGE	-	-	-	201
BOATS:				
MOTOR	3	6	929	16
OTHER	-	-	294	-
GEAR:				
NUMBER	152	295	90,463	24
SQUARE YARDS	-	-	-	143,640

ITEM	GILL NETS - CONTINUED	LINES		
	DRIFT	HAND	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	6	3	-	58
ON BOATS AND SHORE:				
REGULAR	4	70	-	84
CASUAL	25	1,793	7	68
TOTAL	35	1,866	7	210
VESSELS, MOTOR	3	2	-	11
GROSS TONNAGE	32	24	-	216
BOATS, MOTOR	17	398	3	77
GEAR:				
NUMBER	20	1,943	9	88
SQUARE YARDS	103,000	-	-	-
HOOKS	-	2,088	9	262,280

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - OPERATING UNITS BY GEAR, 1961 - Continued

ITEM	DIP NETS, COMMON	LIFT NETS	HARPOONS	
			SWORDFISH	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	62	9
ON BOATS AND SHORE:				
REGULAR	30	-	-	6
CASUAL	132	2	195	47
TOTAL	162	2	257	62
VESSELS, MOTOR	-	-	16	2
GROSS TONNAGE	-	-	488	108
BOATS:				
MOTOR	162	-	63	23
OTHER	-	-	17	-
GEAR, NUMBER	162	1	79	25

ITEM	SPEARS	DREDGES		
		CLAM	MUSSEL	OYSTER, COMMON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	11	-	-
ON BOATS AND SHORE:				
REGULAR	1	38	13	2
CASUAL	6	14	-	4
TOTAL	7	63	13	6
VESSELS, MOTOR	-	4	-	-
GROSS TONNAGE	-	108	-	-
BOATS:				
MOTOR	-	27	10	3
OTHER	1	-	-	-
GEAR:				
NUMBER	7	31	10	3
YARDS AT MOUTH	-	26	9	3

ITEM	DREDGES - CONTINUED	TONGS		RAKES	
	SCALLOP	OYSTER	OTHER	OYSTER	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	818	-	-	-	-
ON BOATS AND SHORE:					
REGULAR	81	11	73	-	134
CASUAL	728	11	84	9	561
TOTAL	1,627	22	157	9	695
VESSELS, MOTOR	79	-	-	-	-
GROSS TONNAGE	6,921	-	-	-	-
BOATS, MOTOR	471	22	157	9	694
GEAR:					
NUMBER	1,459	22	157	9	695
YARDS AT MOUTH	1,563	-	-	-	-

ITEM	HOES	FORKS	DIVING OUTFITS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	3,426
ON BOATS AND SHORE:					
REGULAR	140	64	-	-	859
CASUAL	762	33	536	31	5,603
TOTAL	902	97	536	31	9,888
VESSELS, MOTOR	-	-	-	-	497
GROSS TONNAGE	-	-	-	-	34,914
BOATS:					
MOTOR	-	55	-	-	2,646
OTHER	-	-	-	-	360
GEAR, NUMBER	902	89	536	-	-

MASSACHUSETTS - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,230,600	$13,309	19,107,600	$176,398	-	-
ANGLERFISH	-	-	-	-	8,700	$271
BLUEFISH	-	-	-	-	100	9
BUTTERFISH	-	-	900	52	620,200	117,484
COD	-	-	-	-	33,658,900	2,073,200
CUSK	-	-	-	-	967,600	51,177
EELS:						
COMMON	-	-	-	-	1,200	118
CONGER	-	-	-	-	200	3
FLOUNDERS:						
BLACKBACK	-	-	-	-	11,782,300	1,337,031
DAB	-	-	-	-	2,791,700	217,555
FLUKE	-	-	-	-	5,185,300	925,804
GRAY SOLE	-	-	-	-	1,985,900	270,063
LEMON SOLE	-	-	-	-	2,400,200	532,651
YELLOWTAIL	-	-	-	-	34,590,000	2,951,271
HADDOCK	-	-	-	-	127,685,100	9,423,809
HAKE:						
RED	-	-	-	-	7,036,400	84,615
WHITE	-	-	-	-	2,181,000	107,282
HALIBUT	-	-	-	-	166,300	38,410
HERRING, SEA	-	-	349,600	2,548	49,400	4,022
LAUNCE	194,000	10,786	-	-	-	-
MACKEREL	-	-	6,200	363	2,600	568
MENHADEN	-	-	3,329,400	29,513	-	-
OCEAN PERCH	-	-	-	-	54,712,600	2,172,242
POLLOCK	-	-	-	-	17,186,300	654,755
SCUP OR PORGY	-	-	-	-	1,075,800	43,947
SEA BASS	-	-	-	-	48,000	7,125
SHAD	-	-	58,000	581	200	9
SHARKS, UNCLASSIFIED	-	-	-	-	5,100	357
SKATES	-	-	-	-	38,800	1,378
STRIPED BASS	-	-	-	-	100	4
STURGEON	-	-	-	-	3,800	379
TAUTOG	-	-	-	-	5,100	179
TILEFISH	-	-	-	-	357,400	36,731
TUNA, BLUEFIN	-	-	1,991,600	92,790	-	-
WHITING	-	-	-	-	73,708,800	1,605,912
WOLFFISH	-	-	-	-	580,300	36,131
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	5,277,300	328,272
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	12,705,700	92,346
LOBSTERS, NORTHERN	-	-	-	-	409,900	186,502
SHRIMP	-	-	-	-	600	129
SCALLOPS, SEA	-	-	-	-	2,200	875
SQUID	-	-	-	-	43,000	3,727
TOTAL	1,424,600	24,095	24,843,300	302,245	397,274,100	23,306,343

SPECIES	POUND NETS		FLOATING TRAPS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	51,700	$5,170	-	-	-	-
BLUEFISH	3,200	603	100	$10	-	-
BONITO	16,800	1,797	-	-	-	-
BUTTERFISH	336,200	38,087	159,100	15,164	-	-
COD	3,300	163	11,800	593	-	-
EELS, COMMON	-	-	-	-	13,300	$2,762
FLOUNDERS:						
BLACKBACK	1,900	160	-	-	-	-
FLUKE	42,200	4,120	-	-	-	-
HAKE:						
RED	108,400	1,196	-	-	-	-
WHITE	800	24	-	-	-	-
HALIBUT	-	-	200	40	-	-
HERRING, SEA	1,968,200	36,798	754,900	5,832	-	-
MACKEREL	1,410,400	209,617	446,000	58,928	-	-
MENHADEN	33,400	345	-	-	-	-
POLLOCK	93,800	3,945	14,900	374	-	-
SALMON	-	-	100	101	-	-
SCUP OR PORGY	13,200	1,332	-	-	-	-
SEA BASS	2,700	281	-	-	-	-
SHAD	20,800	945	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY GEAR, 1961 - Continued

SPECIES	POUND NETS		FLOATING TRAPS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHARKS, UNCLASSIFIED.	-	-	100	$5	-	-
STRIPED BASS.	40,600	$8,022	700	107	-	-
STURGEON.	100	12	100	11	-	-
TAUTOG.	13,200	574	300	13	-	-
TUNA, BLUEFIN	143,900	17,649	1,700	181	-	-
WHITING	173,300	4,203	128,000	5,778	-	-
UNCLASSIFIED:						
FOR FOOD.	2,300	169	92,100	6,276	-	-
BAIT, REDUCTION, AND ANIMAL FOOD.	4,800	84	-	-	-	-
CRABS:						
GREEN	-	-	-	-	57,500	$5,665
ROCK.	-	-	-	-	82,700	6,539
LOBSTERS, NORTHERN.	-	-	-	-	2,852,200	1,555,339
CONCHS.	-	-	-	-	9,000	1,200
SQUID	816,200	61,202	8,300	186	-	-
TOTAL	5,301,400	396,498	1,618,400	93,599	3,014,700	1,571,505

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	-	-	-	-	14,500	$2,699
BUTTERFISH.	-	-	100	$16	100	8
COD	1,555,400	$94,421	-	-	752,200	48,989
CUSK.	3,100	119	-	-	600	26
FLOUNDERS:						
BLACKBACK	61,600	4,086	-	-	3,400	399
FLUKE	-	-	-	-	12,000	1,925
GRAY SOLE	-	-	-	-	700	54
LEMON SOLE.	-	-	-	-	300	31
YELLOWTAIL.	1,900	86	-	-	-	-
HADDOCK	181,200	13,784	-	-	220,100	15,377
HAKE:						
RED	-	-	-	-	100	4
WHITE	105,700	4,164	-	-	200	9
HALIBUT	100	49	-	-	1,600	560
MACKEREL.	-	-	53,800	13,583	4,300	1,088
POLLOCK	590,700	21,131	-	-	222,900	8,391
SHAD.	900	58	-	-	-	-
SHARKS, UNCLASSIFIED.	4,500	164	5,000	131	400	16
STRIPED BASS.	-	-	-	-	168,300	28,616
STURGEON.	700	94	-	-	-	-
TAUTOG.	100	1	-	-	-	-
TUNA, BLUEFIN	800	81	-	-	1,200	109
WHITING	200	6	100	1	-	-
WOLFFISH.	-	-	-	-	200	14
UNCLASSIFIED, FOR FOOD. . . .	405,700	26,218	-	-	100,200	5,725
TOTAL	2,912,600	164,462	59,000	13,731	1,503,300	114,040

SPECIES	LINES - CONTINUED				DIP NETS	
	TROLL		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	2,183,300	$143,645	-	-
CUSK.	-	-	325,700	18,697	-	-
FLOUNDERS:						
BLACKBACK	-	-	79,400	12,486	-	-
GRAY SOLE	-	-	800	193	-	-
LEMON SOLE.	-	-	1,900	218	-	-
YELLOWTAIL.	-	-	2,100	191	-	-
HADDOCK	-	-	2,391,900	213,080	-	-
HAKE:						
RED	-	-	1,200	68	-	-
WHITE	-	-	75,900	4,834	-	-
HALIBUT	-	-	45,800	18,992	-	-
MACKEREL.	-	-	800	220	-	-
POLLOCK	-	-	62,800	2,788	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY GEAR, 1961 - Continued

SPECIES	LINES - CONTINUED				DIP NETS	
	TROLL		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHARKS:						
GRAYFISH.	-	-	300	$11	-	-
UNCLASSIFIED.	-	-	1,200	81	-	-
SKATES.	-	-	600	27	-	-
TUNA, BLUEFIN	2,200	$113	-	-	-	-
WOLFFISH.	-	-	13,400	612	-	-
UNCLASSIFIED, FOR FOOD. . . .	-	-	34,300	2,396	-	-
SCALLOPS, BAY	-	-	-	-	29,800	$27,022
TOTAL	2,200	113	5,221,400	418,539	29,800	27,022

SPECIES	LIFT NETS		HARPOONS		SPEARS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	500,000	$3,750	-	-	-	-
EELS, COMMON.	-	-	-	-	5,200	$968
SHARKS.	-	-	1,100	$41	-	-
SWORDFISH	-	-	693,700	267,640	-	-
TUNA, BLUEFIN	-	-	68,400	5,311	-	-
TOTAL	500,000	3,750	763,200	272,992	5,200	968

SPECIES	DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	900	$45	-	-	-	-
FLOUNDERS:						
BLACKBACK	5,800	525	-	-	-	-
DAB	200	10	-	-	-	-
FLUKE	1,000	180	-	-	-	-
LEMON SOLE.	5,500	879	-	-	-	-
YELLOWTAIL.	74,700	4,077	-	-	-	-
UNCLASSIFIED, FOR FOOD. . . .	200	24	-	-	-	-
CLAMS:						
HARD:						
PUBLIC.	547,500	188,587	243,100	$169,476	772,000	$533,236
PRIVATE	-	-	-	-	12,600	12,650
SOFT, PUBLIC.	-	-	-	-	57,200	49,394
SURF.	5,500	875	6,600	1,200	-	-
MUSSELS, SEA.	370,000	27,750	5,400	722	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	4,100	3,803	6,500	6,600	6,600	5,000
FALL.	8,700	7,791	10,700	10,568	-	-
PRIVATE:						
SPRING.	3,700	5,166	-	-	-	-
FALL.	-	-	37,200	54,675	-	-
SCALLOPS:						
BAY	543,000	536,417	-	-	-	-
SEA	21,032,600	8,009,204	-	-	-	-
IRISH MOSS.	-	-	-	-	1,578,500	32,643
TOTAL	22,603,400	8,785,333	309,500	243,241	2,426,900	632,923

SPECIES	HOES		FORKS		DIVING OUTFITS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LOBSTERS, NORTHERN.	-	-	-	-	39,400	$20,220	1,300	$695
CLAMS:								
HARD, PUBLIC.	88,700	$47,433	-	-	-	-	-	-
RAZOR	24,600	7,878	-	-	-	-	-	-
SOFT, PUBLIC.	583,100	393,558	12,300	$7,576	-	-	-	-
MUSSELS, SEA.	600	158	166,700	12,502	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING.	-	-	2,800	2,597	-	-	-	-
FALL.	-	-	3,200	2,841	-	-	-	-
BLOODWORMS.	4,100	3,600	-	-	-	-	-	-
SANDWORMS	33,700	29,596	-	-	-	-	-	-
TOTAL	734,800	482,223	185,000	25,516	39,400	20,220	1,300	695

NEW ENGLAND FISHERIES

RHODE ISLAND

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, FISH	FLOATING TRAPS	FYKE AND HOOP NETS, FISH
		MACKEREL	MENHADEN			
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS	-	12	46	240	49	-
ON BOATS AND SHORE:						
REGULAR	6	-	-	14	3	2
CASUAL	2	2	-	11	-	-
TOTAL	8	14	46	265	52	2
VESSELS, MOTOR	-	1	6	71	6	-
GROSS TONNAGE	-	65	355	2,212	151	-
BOATS:						
MOTOR	1	2	6	13	3	2
OTHER	3	1	3	-	13	-
GEAR:						
NUMBER	4	2	6	84	14	12
LENGTH, YARDS	883	600	1,950	-	-	-
YARDS AT MOUTH	-	-	-	1,973	-	-

ITEM	POTS AND TRAPS				GILL NETS, ANCHOR, SET OR STAKE	LINES
	CONCH	CRAB	EEL	LOBSTER		HAND
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS	-	4	-	6	2	30
ON BOATS AND SHORE:						
REGULAR	11	12	8	90	-	12
CASUAL	-	-	-	54	-	85
TOTAL	11	16	8	150	2	127
VESSELS, MOTOR	-	2	-	3	1	11
GROSS TONNAGE	-	21	-	29	12	218
BOATS, MOTOR	7	7	8	112	1	54
GEAR:						
NUMBER	500	1,320	396	9,496	1	149
SQUARE YARDS	-	-	-	-	486	-
HOOKS	-	-	-	-	-	268

ITEM	LINES - CONTINUED		HARPOONS	SPEARS	DREDGES	
	TROLL	LONG OR SET WITH HOOKS			CLAM	MUSSEL
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS	11	2	56	-	14	2
ON BOATS AND SHORE:						
REGULAR	-	8	4	2	14	-
CASUAL	6	2	2	-	-	-
TOTAL	17	12	62	2	28	2
VESSELS, MOTOR	5	1	16	-	7	1
GROSS TONNAGE	78	8	547	-	122	15
BOATS:						
MOTOR	4	6	3	2	7	-
OTHER	-	-	17	-	-	-
GEAR:						
NUMBER	17	10	19	2	14	1
YARDS AT MOUTH	-	-	-	-	14	2
HOOKS	30	7,044	-	-	-	-

ITEM	DREDGES - CONTINUED	TONGS		RAKES	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	SCALLOP	OYSTER	OTHER			
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS	-	-	-	-	-	380
ON BOATS AND SHORE:						
REGULAR	8	4	475	119	7	595
CASUAL	13	2	471	117	-	623
TOTAL	21	6	946	236	7	1,598
VESSELS, MOTOR	-	-	-	-	-	101
GROSS TONNAGE	-	-	-	-	-	2,936
BOATS:						
MOTOR	21	6	946	236	-	1,135
OTHER	-	-	-	-	-	37
GEAR:						
NUMBER	42	6	946	236	7	-
YARDS AT MOUTH	33	-	-	-	-	-

RHODE ISLAND - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGLERFISH	-	-	-	-	200	$7
BLUEFISH	1,500	$212	5,000	$479	1,000	127
BUTTERFISH	-	-	-	-	2,825,000	227,460
COD	-	-	-	-	761,600	47,499
EELS:						
COMMON	800	118	-	-	-	-
CONGER	-	-	-	-	4,800	216
FLOUNDERS:						
BLACKBACK	-	-	-	-	2,027,200	129,242
DAB	-	-	-	-	45,600	5,345
FLUKE	-	-	-	-	839,800	156,323
GRAY SOLE	-	-	-	-	18,000	2,012
LEMON SOLE	-	-	-	-	8,200	1,235
YELLOWTAIL	-	-	-	-	2,338,100	174,970
HADDOCK	-	-	-	-	63,800	3,758
HAKE:						
RED	-	-	-	-	50,300	927
WHITE	-	-	-	-	9,900	432
HERRING, SEA	-	-	-	-	163,300	5,995
KING WHITING OR "KINGFISH"	-	-	-	-	500	50
MACKEREL	-	-	66,500	4,008	6,700	1,344
MENHADEN	-	-	22,616,100	192,236	300	12
POLLOCK	-	-	-	-	5,800	196
SCUP OR PORGY	-	-	52,700	3,687	2,247,900	164,893
SEA BASS	-	-	-	-	56,300	10,869
SEA ROBIN	-	-	-	-	3,000	96
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	300	52
SHARKS:						
GRAYFISH	-	-	-	-	200	7
UNCLASSIFIED	-	-	-	-	700	27
SKATES	-	-	-	-	1,500	68
STRIPED BASS	10,600	1,786	-	-	1,600	254
STURGEON	-	-	-	-	1,100	107
TAUTOG	-	-	-	-	24,100	881
TILEFISH	-	-	-	-	284,400	23,716
WHITE PERCH	5,700	819	-	-	-	-
WHITING	-	-	-	-	4,761,500	114,254
UNCLASSIFIED:						
FOR FOOD	200	32	-	-	69,400	4,370
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	33,944,300	164,007
LOBSTERS, NORTHERN	-	-	-	-	293,200	132,076
SCALLOPS, SEA	-	-	-	-	100	37
SQUID	-	-	-	-	179,900	18,904
TOTAL	18,800	2,967	22,740,300	200,410	51,039,600	1,391,768

SPECIES	FLOATING TRAPS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	18,600	$1,662	-	-	-	-
BLUEFISH	41,100	6,023	-	-	-	-
BONITO	28,500	4,329	-	-	-	-
BUTTERFISH	122,200	24,638	-	-	-	-
COD	91,200	7,974	-	-	-	-
EELS, COMMON	-	-	-	-	43,800	$8,344
FLOUNDERS:						
BLACKBACK	900	87	-	-	-	-
FLUKE	107,600	21,351	-	-	-	-
HAKE, RED	900	18	-	-	-	-
HERRING, SEA	25,000	1,613	-	-	-	-
KING MACKEREL	2,200	456	-	-	-	-
KING WHITING OR "KINGFISH"	300	30	-	-	-	-
MACKEREL	97,800	21,884	-	-	-	-
MENHADEN	19,200	192	-	-	-	-
POLLOCK	8,300	324	-	-	-	-
SCUP OR PORGY	4,804,200	176,822	-	-	-	-
SEA BASS	112,900	25,128	-	-	-	-
SEA ROBIN	187,800	2,526	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	900	153	-	-	-	-
SHAD	4,400	259	-	-	-	-
SHARKS:						
GRAYFISH	100	3	-	-	-	-
UNCLASSIFIED	300	5	-	-	-	-
SKATES	100	5	-	-	-	-
SPANISH MACKEREL	400	79	-	-	-	-
STRIPED BASS	126,800	19,588	-	-	-	-
STURGEON	300	48	-	-	-	-

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - CATCH BY GEAR, 1961 - Continued

SPECIES	FLOATING TRAPS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SWORDFISH	100	$58	-	-	-	-
TAUTOG	23,500	589	-	-	-	-
TUNA, BLUEFIN	24,200	4,214	-	-	-	-
WHITE PERCH	-	-	2,300	$380	-	-
WHITING	259,500	9,684	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	30,300	5,034	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	62,000	392	-	-	-	-
CRABS:						
GREEN	-	-	-	-	29,400	$3,500
ROCK	-	-	-	-	212,600	22,293
LOBSTERS, NORTHERN	-	-	-	-	387,200	235,141
CONCHS	-	-	-	-	42,700	8,521
SQUID	121,100	16,053	-	-	-	-
TOTAL	6,322,700	351,221	2,300	380	715,700	277,799

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	200	$29	100	$7	100	$12
BONITO	-	-	-	-	200	21
COD	-	-	117,200	7,191	-	-
EELS, CONGER	-	-	100	9	-	-
FLOUNDERS:						
BLACKBACK	-	-	100	4	-	-
FLUKE	-	-	300	44	-	-
HADDOCK	-	-	100	4	-	-
HAKE, WHITE	-	-	100	2	-	-
POLLOCK	-	-	300	10	-	-
SCUP OR PORGY	200	22	-	-	-	-
SEA BASS	-	-	900	300	-	-
STRIPED BASS	100	17	23,400	3,600	4,000	527
SWORDFISH	-	-	-	-	300	128
TAUTOG	-	-	3,800	304	-	-
TUNA, BLUEFIN	-	-	2,500	238	9,600	925
UNCLASSIFIED, FOR FOOD	-	-	300	27	-	-
TOTAL	500	68	149,200	11,740	14,200	1,613

SPECIES	LINES - CONTINUED		HARPOONS		SPEARS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	95,700	$6,109	-	-	-	-
EELS, COMMON	-	-	-	-	400	$88
SWORDFISH	-	-	127,100	$48,745	-	-
TUNA, BLUEFIN	-	-	1,500	435	-	-
TOTAL	95,700	6,109	128,600	49,180	400	88

SPECIES	DREDGES		TONGS		RAKES		HOES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD, PUBLIC	65,600	$21,110	2,033,500	$777,193	508,400	$194,300	-	-
OCEAN QUAHOG	124,400	12,440	-	-	-	-	-	-
SOFT, PUBLIC	-	-	-	-	-	-	7,000	$4,320
CONCHS	300	66	-	-	-	-	-	-
MUSSELS, SEA	70,000	7,000	-	-	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	-	-	3,000	2,427	-	-	-	-
FALL	-	-	4,500	3,640	-	-	-	-
SCALLOPS, BAY	1,700	1,627	-	-	-	-	-	-
TOTAL	262,000	42,243	2,041,000	783,260	508,400	194,300	7,000	4,320

NEW ENGLAND FISHERIES

CONNECTICUT

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS		
				CONCH	EEL	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	92	-	-	-	8
ON BOATS AND SHORE:						
REGULAR	-	11	-	4	4	24
CASUAL	17	37	2	9	28	109
TOTAL	17	140	2	13	32	141
VESSELS, MOTOR	-	36	-	-	-	5
GROSS TONNAGE	-	995	-	-	-	47
BOATS:						
MOTOR	6	34	2	11	28	97
OTHER	3	-	-	-	1	-
GEAR:						
NUMBER	8	70	8	278	516	7,913
LENGTH, YARDS	744	-	-	-	-	-
YARDS AT MOUTH	-	1,299	-	-	-	-

ITEM	GILL NETS			LINES, HAND	DIP NETS, COMMON	HARPOONS
	ANCHOR, SET, OR STAKE	DRIFT				
		SHAD	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	2	3	-	-
ON BOATS AND SHORE:						
REGULAR	1	18	2	5	63	-
CASUAL	19	130	5	35	334	4
TOTAL	20	148	9	43	397	4
VESSELS, MOTOR	-	-	1	2	-	-
GROSS TONNAGE	-	--	17	53	-	-
BOATS:						
MOTOR	5	54	6	33	391	2
OTHER	6	15	-	-	-	-
GEAR:						
NUMBER	10	60	7	43	397	2
SQUARE YARDS	1,913	93,993	1,309	-	-	-
HOOKS	-	-	-	79	-	-

ITEM	SPEARS	DREDGES		TONGS		HOES	TOTAL, EXCLUSIVE OF DUPLICATION
		CLAM	OYSTER, COMMON	OYSTER	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	16	34	-	-	-	143
ON BOATS AND SHORE:							
REGULAR	-	-	-	3	1	1	104
CASUAL	1	-	-	8	5	5	630
TOTAL	1	16	34	11	6	6	877
VESSELS, MOTOR	-	6	11	-	-	-	55
GROSS TONNAGE	-	197	260	-	-	-	1,480
BOATS:							
MOTOR	1	-	-	9	5	-	578
OTHER	-	-	-	-	-	-	24
GEAR:							
NUMBER	1	6	21	11	6	6	-
YARDS AT MOUTH	-	6	26	-	-	-	-

CONNECTICUT - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		OTTER TRAWLS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	200	$2	3,000	$30	-	-
BLUEFISH	-	-	1,400	366	-	-
BUTTERFISH	-	-	89,500	7,749	-	-
CARP	1,600	160	-	-	-	-
COD	-	-	363,800	22,639	-	-
CUNNER	-	-	100	4	-	-
FLOUNDERS:						
BLACKBACK	200	8	977,600	62,468	-	-
DAB	-	-	6,500	758	-	-
FLUKE	-	-	154,400	29,276	-	-
GRAY SOLE	-	-	8,500	952	-	-
LEMON SOLE	-	-	300	77	-	-
YELLOWTAIL	-	-	106,900	7,695	-	-
HADDOCK	-	-	18,200	1,078	-	-
HAKE, RED	-	-	30,200	544	-	-
HERRING, SEA	-	-	83,400	3,061	-	-
LAMPREY	-	-	-	-	800	$98
MACKEREL	-	-	8,500	1,670	-	-
MENHADEN	-	-	1,000	10	-	-
POLLOCK	-	-	1,600	53	-	-
SCUP OR PORGY	-	-	991,400	69,178	-	-
SEA BASS	-	-	39,900	7,214	-	-
SEA ROBIN	-	-	22,100	402	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	2,200	252	-	-
SHAD	24,700	4,232	1,100	66	-	-
SHARKS:						
GRAYFISH	-	-	3,400	66	-	-
UNCLASSIFIED	-	-	4,700	67	-	-
SILVERSIDES	-	-	700	109	-	-
SKATES	-	-	2,700	77	-	-
SMELT	700	137	-	-	-	-
STRIPED BASS	-	-	4,500	785	-	-
STURGEON	-	-	8,700	1,053	-	-
SUCKERS	3,000	60	-	-	2,000	40
TAUTOG	-	-	21,100	885	-	-
TILEFISH	-	-	100	11	-	-
WHITING	-	-	766,600	18,525	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	29,000	1,838	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	400	9	559,700	7,339	-	-
LOBSTERS, NORTHERN	-	-	200	70	-	-
CONCHS	-	-	2,400	278	-	-
SQUID	-	-	51,600	4,760	-	-
TOTAL	30,800	4,608	4,367,000	251,405	2,800	138

SPECIES	POTS AND TRAPS		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	1,000	$10	-	-
CARP	-	-	100	12	1,600	$126
EELS, COMMON	12,300	$2,099	-	-	-	-
MACKEREL	-	-	-	-	3,600	718
MENHADEN	-	-	-	-	11,300	129
SHAD	-	-	6,000	1,028	431,600	73,890
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	6,800	92
LOBSTERS, NORTHERN	206,400	129,853	-	-	-	-
CONCHS	62,400	10,159	-	-	-	-
TOTAL	281,100	142,111	7,100	1,050	454,900	74,955

SPECIES	LINES, HAND		DIP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	1,800	$30	-	-
BLUEFISH	9,500	$2,311	-	-	-	-
COD	35,800	2,291	-	-	-	-
EELS, COMMON	800	161	-	-	-	-
FLOUNDERS:						
BLACKBACK	2,200	177	-	-	-	-
FLUKE	900	137	-	-	-	-

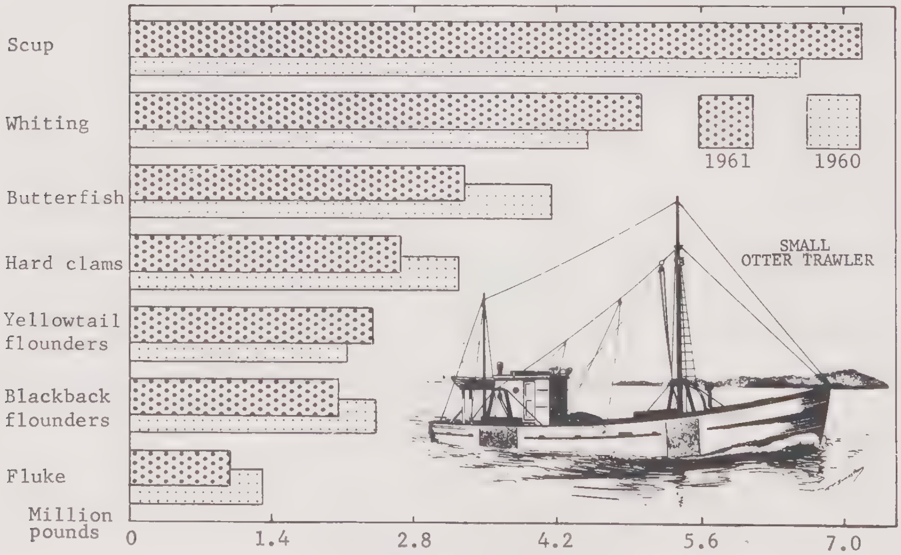
(CONTINUED ON NEXT PAGE)

CONNECTICUT - CATCH BY GEAR, 1961 - Continued

SPECIES	LINES, HAND		DIP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HADDOCK	400	$28	-	-	-	-
HAKE, WHITE	100	2	-	-	-	-
MACKEREL	10,800	2,331	-	-	-	-
POLLOCK	1,000	43	-	-	-	-
SCUP OR PORGY	500	50	-	-	-	-
SEA BASS	2,100	575	-	-	-	-
SHARKS:						
GRAYFISH	500	5	-	-	-	-
UNCLASSIFIED	600	11	-	-	-	-
STRIPED BASS	15,800	2,836	-	-	-	-
SWORDFISH	-	-	-	-	1,000	$597
TAUTOG	3,400	237	-	-	-	-
UNCLASSIFIED, BAIT, REDUCTION, AND ANIMAL FOOD	100	5	-	-	-	-
CRABS, BLUE, HARD	-	-	3,500	$921	-	-
SCALLOPS, BAY	-	-	128,500	105,459	-	-
TOTAL	84,500	11,200	133,800	106,410	1,000	597

SPECIES	SPEARS		DREDGES		TONGS		HOES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	200	$38	-	-	-	-	-	-
CLAMS:								
HARD, PUBLIC	-	-	418,700	$175,874	900	$389	-	-
SOFT, PUBLIC	-	-	-	-	-	-	400	$254
OYSTERS, MARKET:								
PUBLIC, SPRING	-	-	-	-	4,100	2,853	-	-
PRIVATE:								
SPRING	-	-	108,900	138,335	100	70	-	-
FALL	-	-	245,500	275,625	-	-	-	-
TOTAL	200	38	773,100	589,834	5,100	3,312	400	254

RHODE ISLAND CATCH 1960-61



LANDINGS AT MAINE PORTS

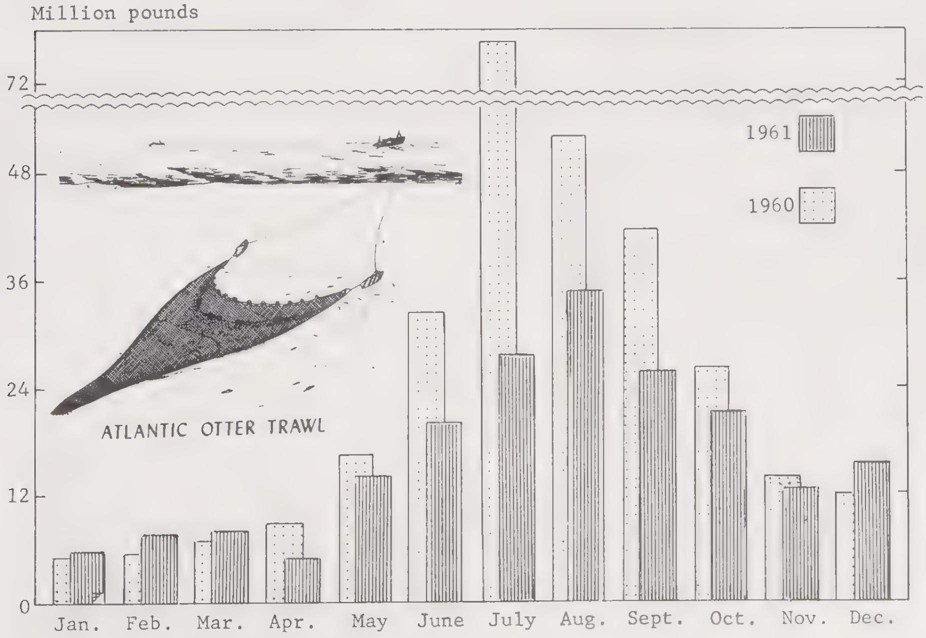
The Bureau of Commercial Fisheries, in cooperation with the Maine Department of Sea and Shore Fisheries, collects and compiles monthly and annual data on the landings of fish, shellfish, and other aquatic resources in the State of Maine. This information is published in the monthly bulletin, Maine Landings, in the Current Fishery Statistics series of reports. Additional detailed tabulations are prepared for the use of Bureau and State scientists and the International Commission for the Northwest Atlantic Fisheries.

Maine landings data, summarized by species and months, appeared in Digests for the years from 1947 to 1958. Since the latter year, information on the Maine catch by gear and subarea has been substituted for the monthly tabulations. The quantities shown represent the round weight of all species except univalve and bivalve mollusks. These shellfish are reported in pounds of meats. The data are comparable with catch figures shown in other tables in this report.

In 1961, landings at Maine ports by fishing craft of all sizes amounted to 198 million pounds --down nearly 94 million pounds compared with the previous year. The decrease was caused by a sharp reduction in landings of sea herring, which dropped to 54 million pounds from 152 million pounds in 1960. The decline of this fishery resulted from failure of the herring to move in quantity into the shallow waters where they are usually taken. Late in the season, a few purse seiners fished the offshore waters with limited success. Landings of haddock, ocean perch, crabs, and lobsters also fell below the 1960 level.

The 1961 landings of whiting and sea scallops gained slightly over those of the previous year. However, the greatest increase occurred in the production of sea moss, which yielded over 5 million pounds in 1961 compared with about 500,000 pounds in 1960.

LANDINGS AT MAINE PORTS, BY MONTHS, 1960-61



LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONGLINES (TRAWL LINES):											
CENTRAL MAINE	59	569.0	569	285.0	77,604	170,224	3,571	41,568	-	-	-
WESTERN MAINE	27	204.0	204	68.6	39,034	66,734	200	145,292	-	-	-
TOTAL	1/74	773.0	773	353.6	116,638	236,958	3,771	186,860	-	-	-
HANDLINES:											
CENTRAL MAINE	38	148.0	148	74.0	31,582	50,091	994	843	-	-	-
WESTERN MAINE	26	106.0	106	53.0	5,419	33,811	-	2,830	-	-	85
TOTAL	1/53	254.0	254	127.0	37,001	83,902	994	3,673	-	-	85
HARPOONS:											
SOUTHWEST GRAND BANK	1	-	-	-	-	-	-	-	-	-	-
CENTRAL MAINE	3	3.0	3	1.5	-	-	-	-	-	-	-
WESTERN MAINE	34	124.0	124	58.4	-	-	-	-	-	-	-
TOTAL	1/35	127.0	127	59.9	-	-	-	-	-	-	-
OTTER TRAWLS, LARGE:											
SOUTHEAST GRAND BANK	10	72.7	1,066	203.8	-	-	-	-	-	-	-
SOUTHWEST GRAND BANK	13	58.0	808	193.1	965	3,170	-	140	2,670	-	-
ST. PIERRE BANK	7	2.6	35	12.3	-	-	-	-	-	-	-
EAST GULF OF ST. LAWRENCE	3	0.3	3	1.0	-	-	-	-	-	-	-
NORTH GULF OF ST. LAWRENCE	1	1.5	23	3.3	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	4	4.8	60	17.2	-	-	-	-	-	-	-
MISAINE BANK	2	1.9	22	9.3	-	-	-	-	-	-	-
BANQUEREAU	9	11.0	177	40.6	-	-	-	-	50	-	-
CANSO	9	6.5	81	18.9	1,435	3,135	-	775	3,190	-	-
MIDDLE GROUND	8	7.0	81	22.6	4,445	3,725	-	1,135	7,250	-	-
SOUTHEAST SABLE ISLAND BANK	1	0.7	12	3.0	-	-	-	-	-	-	-
HORSESHOE GROUND	4	8.5	91	20.6	7,480	7,395	-	1,955	2,495	-	-
SOUTHWEST SABLE ISLAND BANK	1	0.2	2	1.0	-	-	-	-	-	-	-
EASTERN NOVA SCOTIA	10	12.4	139	27.6	1,390	1,635	-	645	6,460	-	-
EMERALD BANK	3	1.1	12	2.6	-	585	-	405	20	-	-
CENTRAL NOVA SCOTIA	6	9.5	111	26.5	4,825	3,725	-	2,617	2,170	-	-
NORTHEAST BROWNS AND LA HAVE	2	0.8	9	2.2	-	-	-	-	-	-	-
SOUTHERN NOVA SCOTIA	10	17.6	208	45.8	8,590	1,415	-	2,213	3,385	-	-
WESTERN BROWNS	1	0.1	2	0.3	-	-	-	-	-	-	-
WESTERN NOVA SCOTIA	6	22.1	189	71.5	1,152	1,475	-	4,797	2,638	-	-
NORTHERN BAY OF FUNDY	1	0.5	4	1.0	-	-	-	-	-	-	-
EASTERN MAINE	5	22.7	116	28.2	6,390	31,879	560	4,663	2,660	-	-
CENTRAL MAINE	3	1.5	6	1.8	165	935	-	205	135	-	-
WESTERN MAINE	2	2.0	9	1.9	2,790	2,910	-	760	1,005	-	-
INNER GROUNDS	7	40.8	289	81.2	5,888	15,785	-	17,413	14,727	-	-
WEST SIDE SOUTH CHANNEL	3	1.2	11	5.8	280	-	-	245	140	-	-
TOTAL	1/16	308.0	3,566	843.1	45,795	77,769	560	37,968	48,995	-	-
OTTER TRAWLS, MEDIUM:											
EAST GULF OF ST. LAWRENCE	1	0.1	1	0.5	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	2	6.9	100	30.8	-	-	-	-	-	-	-
MISAINE BANK	2	7.9	104	31.8	-	-	-	-	-	-	-
CANSO	1	1.0	11	2.5	-	-	-	-	-	-	-
MIDDLE GROUND	1	1.0	10	3.1	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM - CONTINUED:											
EASTERN NOVA SCOTIA	1	1.0	12	2.9	-	390	-	400	30	-	-
SOUTHERN NOVA SCOTIA	4	3.5	27	6.0	4,900	7,450	-	1,225	1,050	-	-
WESTERN BROWNS	3	4.8	42	15.6	1,327	1,765	-	2,070	824	-	-
WESTERN NOVA SCOTIA	12	40.6	262	98.0	12,033	15,339	-	26,161	6,307	-	-
NORTHERN BAY OF FUNDY	2	1.1	2	2.0	610	380	-	200	175	-	-
EASTERN MAINE	12	71.0	420	130.5	57,903	81,310	-	47,184	42,830	-	-
CENTRAL MAINE	15	92.8	397	121.3	38,569	56,279	-	38,562	70,080	-	-
WESTERN MAINE	12	105.6	383	123.8	48,776	49,175	-	37,611	20,606	-	-
EASTERN MASSACHUSETTS	2	1.2	5	1.6	307	56	-	118	112	-	-
INNER GROUNDS	18	133.4	741	247.1	36,281	37,408	-	66,320	29,645	-	-
WEST SIDE SOUTH CHANNEL	2	1.1	3	1.3	565	1,275	-	525	155	-	-
TOTAL	1/26	473.0	2,520	818.8	201,271	250,829	-	220,376	171,814	-	-
OTTER TRAWLS, SMALL:											
WESTERN BROWNS	2	3.0	12	5.0	160	485	-	1,645	320	-	-
WESTERN NOVA SCOTIA	2	4.4	24	8.6	1,255	1,520	-	1,960	425	-	-
EASTERN MAINE	4	27.0	130	40.0	-	5,400	-	10,380	11,880	-	-
CENTRAL MAINE	36	844.5	1,060	431.9	29,496	98,970	1,663	23,549	144,137	350	66
WESTERN MAINE	53	1,928.4	2,055	783.8	89,019	181,583	455	25,448	188,318	50	65,705
INNER GROUNDS	5	26.7	143	47.3	3,700	4,110	-	11,228	3,850	-	-
TOTAL	1/77	2,834.0	3,424	1,316.6	123,630	292,068	2,118	74,210	348,930	400	65,771
SINK GILL NETS, WESTERN MAINE	7	846.0	846	846.0	507,809	161,242	-	7,355	-	-	-
SCALLOP DREDGES:											
EASTERN MAINE	7	22.0	22	11.0	-	-	-	-	-	-	-
CENTRAL MAINE	33	409.0	421	205.4	-	-	-	-	-	-	-
NORTHERN EDGE AND NORTHEAST PEAK	8	110.7	1,029	733.8	-	-	-	-	-	-	-
CENTRAL AND SOUTHEAST GEORGES	5	12.3	114	83.3	-	-	-	-	-	-	-
TOTAL	1/47	554.0	1,586	1,033.5	-	-	-	-	-	-	-
TOTAL (LANDED WEIGHT, ALL SPECIES)	-	-	-	-	1,032,144	1,102,768	7,443	530,442	569,739	400	65,856
TOTAL (ROUND WEIGHT, ALL SPECIES 2/)	-	-	-	-	1,207,607	1,290,236	8,708	599,399	569,739	400	65,856
MISCELLANEOUS GEAR, UNCLASSIFIED WATERS OFF MAINE	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL (ROUND WEIGHT 2/)	-	-	-	-	1,207,607	1,290,236	8,708	599,399	569,739	400	65,856

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND-CONTINUED		GRAY-FISH, ROUND	HADDOCK, DRAWN		HAKE, WHITE, DRESSED		HALIBUT, DRAWN	HERRING, SEA	MACKEREL, ROUND	OCEAN PERCH, ROUND
	BLACK-BACK	DAB		LARGE	SCROD	LARGE	SMALL				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONGLINES (TRAWL LINES):											
CENTRAL MAINE	-	935	-	51,554	2,454	1,203,348	-	30,321	-	-	-
WESTERN MAINE	-	-	27,790	87,987	5,410	250	16,328	1,249	-	-	70
TOTAL	-	935	27,790	139,541	7,864	1,203,598	16,328	31,570	-	-	70
HANDLINES:											
CENTRAL MAINE	-	-	-	221	-	1,676	-	3,275	-	-	-
WESTERN MAINE	-	-	-	515	15	3,897	-	666	-	463	-
TOTAL	-	-	-	736	15	5,573	-	3,941	-	463	-
OTTER TRAWLS, LARGE:											
SOUTHEAST GRAND BANK	-	-	-	-	-	-	-	1,520	-	-	18,926,639
SOUTHWEST GRAND BANK	-	805	-	600	2,370	4,700	-	9,619	-	-	13,831,445
ST. PIERRE BANK	-	-	-	-	-	-	-	469	-	-	500,528
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	16,647
NORTH GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	304,664
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	935,417
MISAINE BANK	-	-	-	-	-	-	-	-	-	-	245,944
BANQUEREAU	-	200	-	-	-	-	-	1,497	-	-	1,951,032
CANSO	-	4,785	-	2,630	910	-	637	40	-	-	908,798
MIDDLE GROUND	-	8,145	-	630	400	-	930	60	-	-	1,122,019
SOUTHEAST SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	-	149,769
HORSESHOE GROUND	-	3,785	-	1,440	4,445	-	2,520	-	-	-	1,312,216
SOUTHWEST SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	-	38,640
EASTERN NOVA SCOTIA	-	2,800	-	645	1,550	115	643	1,355	-	-	2,293,772
EMERALD BANK	-	5	-	200	465	290	-	-	-	-	174,859
CENTRAL NOVA SCOTIA	-	2,433	-	4,200	6,235	295	3,713	-	-	-	1,370,611
NORTHEAST BROWNS AND LA HAVE	-	-	-	-	-	-	-	-	-	-	92,762
SOUTHERN NOVA SCOTIA	-	1,380	-	18,468	5,510	1,247	1,365	161	-	-	2,591,026
WESTERN BROWNS	-	-	-	-	-	-	-	-	-	-	38,696
WESTERN NOVA SCOTIA	-	1,324	-	18,455	8,938	820	3,186	-	-	-	2,815,918
NORTHERN BAY OF FUNDY	-	-	-	-	-	-	-	-	-	-	80,500
EASTERN MAINE	-	707	-	49,768	56,090	6,781	2,297	54	-	-	667,960
CENTRAL MAINE	-	70	-	2,165	2,525	255	-	-	-	-	17,600
WESTERN MAINE	-	130	-	5,635	3,560	280	1,430	-	-	-	45,600
INNER GROUNDS	-	4,596	-	49,468	33,067	7,560	27,849	211	-	-	3,029,818
WEST SIDE SOUTH CHANNEL	-	40	-	840	755	-	225	-	-	-	106,000
TOTAL	-	31,205	-	155,144	126,820	22,343	44,795	14,986	-	-	53,568,880
OTTER TRAWLS, MEDIUM:											
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	2,790
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	905,650
MISAINE BANK	-	-	-	-	-	-	-	-	-	-	1,214,490
CANSO	-	-	-	-	-	-	-	-	-	-	100,000
MIDDLE GROUND	-	-	-	-	-	-	-	-	-	-	100,000
EASTERN NOVA SCOTIA	-	130	-	1,480	970	900	-	-	-	-	100,000
SOUTHERN NOVA SCOTIA	-	1,265	-	3,480	3,070	180	1,975	-	-	-	202,250
WESTERN BROWNS	-	1,563	-	15,856	4,935	-	2,615	-	-	-	386,525
WESTERN NOVA SCOTIA	-	7,444	-	45,431	31,294	13,305	30,397	-	-	-	3,026,000
NORTHERN BAY OF FUNDY	-	250	-	675	730	-	290	-	-	-	16,920
EASTERN MAINE	265	24,159	-	231,001	117,355	53,244	16,656	65	-	-	2,481,126

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND-CONTINUED		GRAY-FISH, ROUND	HADDOCK, DRAWN		HAKE, WHITE, DRESSED		HALIBUT, DRAWN	HERRING, SEA	MACKEREL, ROUND	OCEAN PERCH, ROUND
	BLACK-BACK	DAB		LARGE	SCROD	LARGE	SMALL				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM - CONTINUED:											
CENTRAL MAINE	682	42,943	-	109,827	63,143	32,848	18,261	-	-	-	2,245,042
WESTERN MAINE	65	22,955	-	87,831	64,291	210	42,924	30	-	-	2,787,731
EASTERN MASSACHUSETTS	-	90	-	1,091	292	-	386	-	-	-	16,750
INNER GROUNDS	-	24,002	-	231,934	86,424	7,385	35,066	-	-	-	6,317,561
WEST SIDE SOUTH CHANNEL	-	75	-	1,220	1,245	-	300	-	-	-	18,980
TOTAL	1,012	124,876	-	729,826	373,749	108,072	148,870	95	-	-	19,921,815
OTTER TRAWLS, SMALL:											
WESTERN BROWNS	-	535	-	1,575	1,145	-	1,650	-	-	-	113,000
WESTERN NOVA SCOTIA	-	1,150	-	4,465	3,365	395	5,010	-	-	-	235,100
EASTERN MAINE	-	9,120	-	17,720	7,015	15,785	-	-	-	-	801,600
CENTRAL MAINE	63,274	211,046	-	250,326	122,891	118,955	23,167	7,116	-	-	1,167,292
WESTERN MAINE	93,905	306,319	-	368,474	103,177	52,180	33,853	532	40,250	-	612,217
INNER GROUNDS	-	3,273	-	26,132	7,187	650	5,062	-	-	-	930,125
TOTAL	157,179	531,443	-	668,692	244,780	187,965	68,742	7,648	40,250	-	3,859,334
SINK GILL NETS, WESTERN MAINE	-	-	938,206	131,690	-	-	231,402	1,891	-	-	-
TOTAL (LANDED WEIGHT, ALL SPECIES)	158,191	688,459	965,996	1,825,629	753,228	1,527,551	510,137	60,131	40,250	463	77,350,099
TOTAL (ROUND WEIGHT, ALL SPECIES 2/)	158,191	688,459	965,996	2,081,217	858,678	2,046,916	683,584	69,151	40,250	463	77,350,099
MISCELLANEOUS GEAR, UNCLASSIFIED WATERS OFF MAINE	-	-	-	-	-	-	-	-	54,422,381	152,317	-
GRAND TOTAL (ROUND WEIGHT 2/)	158,191	688,459	965,996	2,081,217	858,678	2,046,916	683,584	69,151	54,462,631	152,780	77,350,099

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, ROUND	WHITING, ROUND	WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA (MEATS)	SHRIMP, ROUND	LOBSTERS, ROUND	UNCLASSI-FIED SHELL-FISH, ETC.	TOTAL
					FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONG LINES (TRAWL LINES):											
CENTRAL MAINE	17,375	-	-	3,675	464	-	-	-	-	-	1,603,093
WESTERN MAINE	5,645	-	-	-	50	50,200	-	-	-	-	446,239
TOTAL	23,020	-	-	3,675	514	50,200	-	-	-	-	2,049,332
HANDLINES:											
CENTRAL MAINE	38,671	-	-	-	160	-	-	-	-	-	127,513
WESTERN MAINE	23,036	2,900	-	-	-	-	-	-	-	-	73,637
TOTAL	61,707	2,900	-	-	160	-	-	-	-	-	201,150
HARPOONS:											
SOUTHWEST GRAND BANK	-	-	-	-	4,711	-	-	-	-	-	4,711
CENTRAL MAINE	-	480	-	-	910	-	-	-	-	-	1,390
WESTERN MAINE	-	101,763	-	-	1,700	-	-	-	-	-	103,463
TOTAL	-	102,243	-	-	7,321	-	-	-	-	-	109,564

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, ROUND	WHITING, ROUND	WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA (MEATS)	SHRIMP, ROUND	LOBSTERS, ROUND	UNCLASSIFIED SHELL-FISH, ETC.	TOTAL
					FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, LARGE:											
SOUTHEAST GRAND BANK	-	-	-	-	-	-	-	-	-	-	18,928,159
SOUTHWEST GRAND BANK	900	-	-	290	-	-	-	-	-	-	13,857,674
ST. PIERRE BANK	-	-	-	-	-	-	-	-	-	-	500,997
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	16,647
NORTH GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	304,664
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	935,417
MISAINE BANK	-	-	-	-	-	-	-	-	-	-	245,944
BANQUEREAU	-	-	-	-	-	-	-	-	-	-	1,952,779
CANSO	1,965	-	-	200	-	-	-	-	-	-	928,500
MIDDLE GROUND	4,930	-	-	630	-	-	-	-	-	-	1,154,299
SOUTHEAST SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	-	149,769
HORSESHOE GROUND	10,830	-	-	3,660	-	-	-	-	-	-	1,358,221
SOUTHWEST SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	-	38,640
EASTERN NOVA SCOTIA	2,680	-	-	105	-	3,000	-	-	-	-	2,316,795
EMERALD BANK	1,725	-	-	260	-	-	-	-	-	-	178,814
CENTRAL NOVA SCOTIA	14,380	-	-	1,780	-	-	-	-	-	-	1,416,984
NORTHEAST BROWNS AND LA HAVE	-	-	-	-	-	-	-	-	-	-	92,762
SOUTHERN NOVA SCOTIA	16,000	-	-	140	-	-	-	-	-	-	2,650,900
WESTERN BROWNS	-	-	-	-	-	-	-	-	-	-	38,696
WESTERN NOVA SCOTIA	18,529	-	-	65	-	-	-	-	-	-	2,877,297
NORTHERN BAY OF FUNDY	-	-	-	-	-	-	-	-	-	-	80,500
EASTERN MAINE	72,367	-	-	75	75	-	-	-	-	-	902,326
CENTRAL MAINE	7,355	-	-	10	-	-	-	-	-	-	31,420
WESTERN MAINE	32,183	-	-	-	-	-	-	-	-	-	96,283
INNER GROUNDS	125,443	-	-	340	-	-	-	-	-	-	3,332,165
WEST SIDE SOUTH CHANNEL	3,210	-	-	-	-	-	-	-	-	-	111,735
TOTAL	312,497	-	-	7,555	75	3,000	-	-	-	-	54,498,387
OTTER TRAWLS, MEDIUM:											
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	2,790
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	905,650
MISAINE BANK	-	-	-	-	-	-	-	-	-	-	1,214,490
CANSO	-	-	-	-	-	-	-	-	-	-	100,000
MIDDLE GROUND	-	-	-	-	-	-	-	-	-	-	100,000
EASTERN NOVA SCOTIA	3,510	-	-	40	-	-	-	-	-	-	107,850
SOUTHERN NOVA SCOTIA	30,110	-	-	-	-	-	-	-	-	-	256,955
WESTERN BROWNS	7,587	-	-	100	-	-	-	-	-	-	425,167
WESTERN NOVA SCOTIA	57,454	-	-	750	-	-	-	-	-	-	3,271,915
NORTHERN BAY OF FUNDY	1,390	-	-	-	-	-	-	-	-	-	21,620
EASTERN MAINE	106,967	-	-	3,065	-	-	-	-	-	-	3,263,130
CENTRAL MAINE	347,002	-	-	3,434	-	400	-	-	-	-	3,067,072
WESTERN MAINE	533,202	-	224,000	2,047	-	12,420	-	-	-	-	3,933,874
EASTERN MASSACHUSETTS	25,392	-	-	28	-	-	-	-	-	-	44,624
INNER GROUNDS	231,769	-	-	2,756	-	-	-	-	-	-	7,106,551
WEST SIDE SOUTH CHANNEL	4,600	-	-	-	-	-	-	-	-	-	28,940
TOTAL	1,348,983	-	224,000	12,220	-	12,820	-	-	-	-	23,850,628

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, ROUND	WHITING, ROUND	WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA (MEATS)	SHRIMP, ROUND	LOBSTERS, ROUND	UNCLASSI-FIED SHELL-FISH, ETC.	TOTAL
					FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL:											
WESTERN BROWNS	1,150	-	-	20	-	-	-	-	-	-	121,685
WESTERN NOVA SCOTIA	3,205	-	-	5	-	-	-	-	-	-	257,855
EASTERN MAINE	2,755	-	-	530	-	-	-	-	-	-	882,185
CENTRAL MAINE	67,083	-	446,345	11,573	1,607	158,575	-	8,544	6,791	-	2,962,816
WESTERN MAINE	224,656	-	13,476,433	5,220	615	1,084,908	-	58,680	993	-	17,012,990
INNER GROUNDS	35,990	-	-	360	-	-	-	-	-	-	1,031,667
TOTAL	334,839	-	13,922,778	17,708	2,222	1,243,463	-	67,224	7,784	-	22,269,198
SINK GILL NETS, WESTERN MAINE	756,236	-	-	-	18,271	18,890	-	-	-	-	2,772,992
SCALLOP DREDGES:											
EASTERN MAINE	-	-	-	-	-	-	3,996	-	-	-	3,996
CENTRAL MAINE	-	-	-	-	-	-	136,995	-	-	-	136,995
NORTHERN EDGE AND NORTHEAST PEAK	-	-	-	-	-	-	2,349,227	-	-	-	2,349,227
CENTRAL AND SOUTHEAST GEORGES	-	-	-	-	-	-	249,883	-	-	-	249,883
TOTAL	-	-	-	-	-	-	2,740,101	-	-	-	2,740,101
TOTAL (LANDED WEIGHT, ALL SPECIES)	2,837,282	105,143	14,146,778	41,158	28,563	1,328,393	2,740,101	67,224	7,784	-	108,491,352
TOTAL (ROUND WEIGHT, ALL SPECIES 2/)	3,206,128	105,143	14,146,778	49,390	32,637	1,328,393	2,740,101	67,224	7,784	-	110,368,527
MISCELLANEOUS GEAR, UNCLASSIFIED WATERS OFF MAINE	-	-	-	-	1,779,822	133,070	-	-	20,910,136	10,203,279	87,601,005
GRAND TOTAL (ROUND WEIGHT 2/)	3,206,128	105,143	14,146,778	49,390	1,812,459	1,461,463	2,740,101	67,224	20,917,920	10,203,279	197,969,532

1/ EXCLUSIVE OF DUPLICATION. 2/ ALL SPECIES ARE LISTED AS ROUND WEIGHT EXCEPT UNIVALVE AND BIVALVE MOLLUSKS WHICH ARE REPORTED AS POUNDS OF MEATS. SEA SCALLOPS ARE LISTED AS WEIGHT OF EDIBLE MEAT. LANDED WEIGHT OF FINFISH WAS CONVERTED TO ROUND WEIGHT BY MULTIPLYING BY THE FOLLOWING FACTORS: COD, DRAWN 1.17; CUSK, DRAWN 1.13; HADDOCK, DRAWN 1.14; WHITE HAKE, DRESSED 1.34; HALIBUT, DRAWN 1.15; POLLOCK, DRAWN 1.13; TUNA, DRESSED 1.25; WHITING, DRESSED 1.66; AND WOLFFISH, DRAWN 1.20.

NOTE:--OTTER TRAWLS ARE CLASSIFIED ACCORDING TO SIZE OF THE CRAFT. "SMALL" OTTER TRAWL CRAFT ARE THOSE 50 GROSS TONS CAPACITY AND UNDER; "MEDIUM", 51 GROSS TONS TO 150 GROSS TONS; AND "LARGE", 151 GROSS TONS OR GREATER. DAYS ABSENT IS THE MEASURE OF TIME, TO THE NEAREST COMPLETE DAY, THAT A VESSEL IS AWAY FROM PORT DURING A FISHING TRIP. WHEN A CRAFT OPERATES IN TWO OR MORE SUBAREAS DURING A VOYAGE, A FRACTIONAL PART (IN TENTHS) OF THE TRIP IS ALLOTTED TO THE SUBAREA ON THE BASIS OF THE CATCH IN EACH SUBAREA. DAYS FISHED IS THE TIME ACTUAL FISHING OPERATIONS WERE CARRIED ON, EXPRESSED TO THE NEAREST TENTH OF A DAY. TO OBTAIN FISHING TIME IN HOURS, MULTIPLY THE NUMBER OF DAYS FISHED BY 24.

LANDINGS AT MASSACHUSETTS PORTS

Detailed statistics are collected and published monthly and annually on landings at Boston, Gloucester, New Bedford, and other Massachusetts ports. Additional detailed tabulations are prepared for the use of Bureau and State scientists and the International Commission for the Northwest Atlantic Fisheries. The data usually represent about 98 percent of the total Massachusetts catch.

A summary of 1961 data on Massachusetts landings by ports and by gear and area of capture is contained in the following tables. Since the quantities shown represent the actual weights of the landings, they are not directly comparable with the catch figures which appear in other tables in this Digest. The Statistical Digests published prior to 1959 contained information on monthly landings by species at individual ports.

Landings by fishing craft of all sizes at Boston, Gloucester, New Bedford, and certain other Massachusetts ports in 1961 amounted to nearly 432 million pounds valued at $33 million. Compared with 1960 (444 million pounds valued at $32 million), landings declined 3 percent in volume but increased 3 percent in value. During 1961, receipts at Gloucester accounted for 38 percent of the total production but only 18 percent of the total value. Boston was second both in quantity (27 percent) and value (29 percent). New Bedford ranked third in volume (23 percent) but led in value with 45 percent of the landings. Production at other Massachusetts ports made up the remaining 12 percent in quantity and 8 percent in value.

At Boston, landings of 117 million pounds reflected a 7-million-pound increase over 1960, although the value declined slightly. The gain in volume was due principally to increased receipts of haddock, which comprised 72 percent of the total. Landings of scrod haddock were the heaviest in 5 years. Other species taken in considerable quantity were cod (16 percent) and pollock (7 percent).

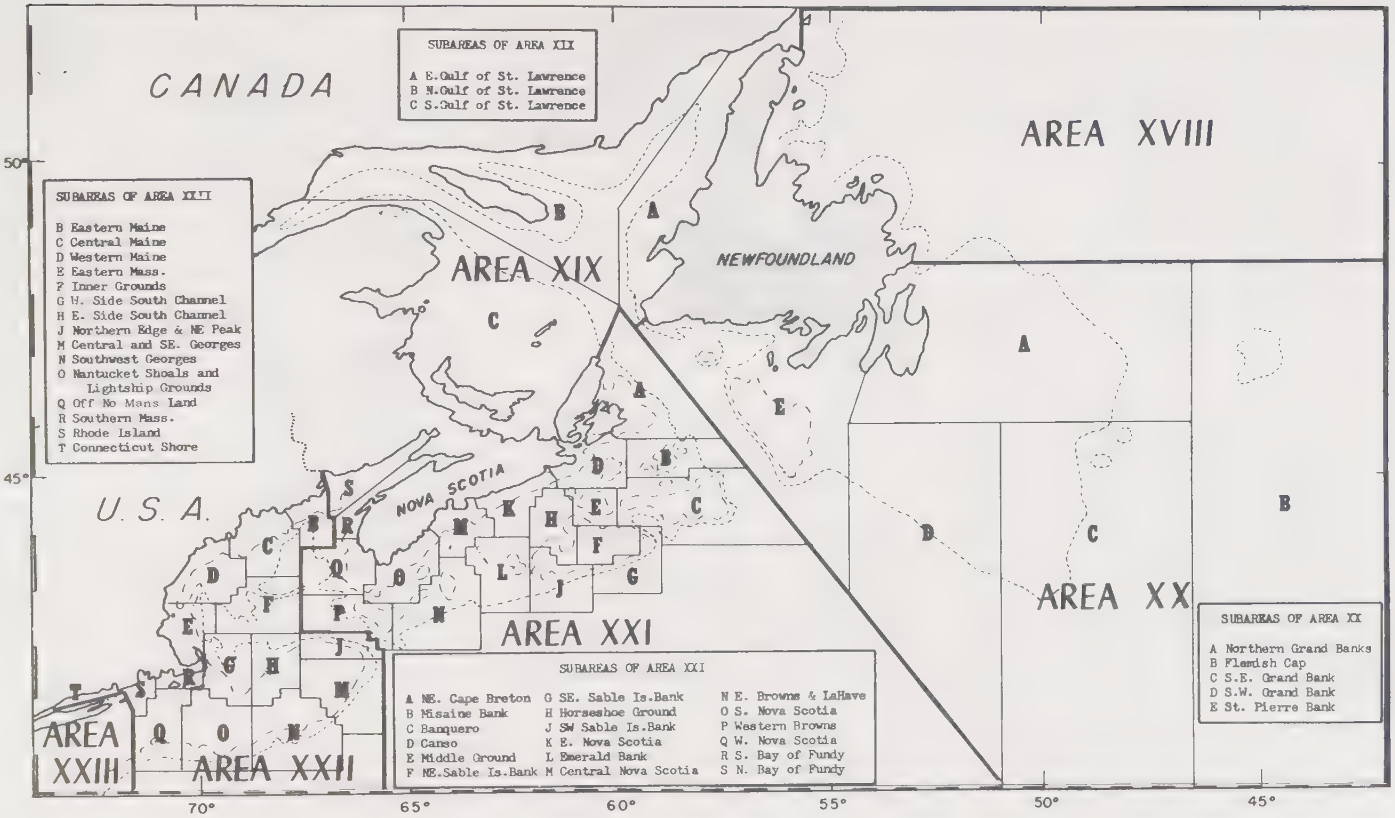
Gloucester landings were larger than those at any other Massachusetts ports but were the lowest since 1947. Ocean perch was the leading species in both volume and value, although landings of these fish (54 million pounds) were the smallest at this port since 1939. However, ocean perch continued to provide more employment and yielded fishermen a greater return than any other species in the Gloucester fishery. Receipts of whiting (51.6 million pounds) were nearly 12 million pounds below the 1960 production. Whiting landings dropped below those of ocean perch for the first time in 2 years and were the lowest since 1958.

Landings at New Bedford (100.5 million pounds) were 8 percent above those of 1960. The increased volume resulted from gains in landings of yellowtail flounders, haddock, cod, and scallops, and resumption of menhaden landings. Although landings of yellowtail flounders (30.2 million pounds) were 28 percent more than in 1960, they were still considerably below the record 36.7 million pounds landed in 1942. The predominance, of high-priced species, such as flounders and scallops, enabled New Bedford to retain the position of second ranking port in the nation in ex-vessel value of fishery products.

A total of 712 fishing craft was required to capture the 432 million pounds of fish and shellfish landed at Massachusetts ports in 1961. Of this number, 414 craft operating otter trawls caught 86 percent of the total landings. Purse seines accounted for 6 percent; scallop dredges, 5 percent; and the remainder was taken on lines, in pound and trap nets, by harpoons, or with gill nets. Fishing grounds off New England yielded 359 million pounds or 83 percent of the entire landings. About 16 percent was taken on grounds off Nova Scotia, while the remaining 1 percent came from the Gulf of St. Lawrence, the Grand Bank, and from areas off the Middle Atlantic States.

STATISTICAL AREAS AND SUBAREAS USED IN REPORTING THE CATCH

LANDED AT CERTAIN MASSACHUSETTS PORTS DURING 1961


CANADA
U. S. A.
NEWFOUNDLAND
NOVA SCOTIA
AREA XVIII
AREA XIX
AREA XX
AREA XXI
AREA XXII
AREA XXIII
50°
45°
70°
65°
60°
55°
50°
45°
SUBAREAS OF AREA XIX
A E.Gulf of St. Lawrence
B N.Gulf of St. Lawrence
C S.Gulf of St. Lawrence
SUBAREAS OF AREA XXII
B Eastern Maine
C Central Maine
D Western Maine
E Eastern Mass.
F Inner Grounds
G W. Side South Channel
H E. Side South Channel
J Northern Edge & NE Peak
M Central and SE. Georges
N Southwest Georges
O Nantucket Shoals and Lightship Grounds
Q Off No Mans Land
R Southern Mass.
S Rhode Island
T Connecticut Shore
SUBAREAS OF AREA XXI
A NE. Cape Breton
B Misaine Bank
C Banquero
D Canso
E Middle Ground
F NE.Sable Is.Bank
G SE. Sable Is.Bank
H Horseshoe Ground
J SW Sable Is.Bank
K E. Nova Scotia
L Emerald Bank
M Central Nova Scotia
N E. Browns & LaHave
O S. Nova Scotia
P Western Browns
Q W. Nova Scotia
R S. Bay of Fundy
S N. Bay of Fundy
SUBAREAS OF AREA XX
A Northern Grand Banks
B Flemish Cap
C S.E. Grand Bank
D S.W. Grand Bank
E St. Pierre Bank

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF LANDINGS, 1961

SPECIES	BOSTON			GLOUCESTER			NEW BEDFORD		
	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND
COD, DRAWN:									
LARGE	5,536,220	$392,458	7.09¢	1,415,880	$103,421	7.30¢	1,409,595	$96,741	6.86¢
MARKET	9,002,865	664,518	7.38	1,659,257	113,885	6.86	4,655,080	354,826	7.62
SCROD	4,298,100	301,791	7.02	282,512	14,894	5.27	223,120	14,026	6.29
CUSK, DRAWN	710,540	48,004	6.76	413,086	21,060	5.10	190	3	1.58
FLOUNDERS, ROUND:									
BLACKBACK	920,359	120,298	13.07	101,878	6,906	6.78	8,082,868	920,844	11.39
DAB	598,465	51,540	8.61	1,105,947	60,265	5.45	874,920	91,457	10.45
FLUKE	1,915	282	14.72	365	18	4.93	4,422,109	814,327	18.41
GRAY SOLE	308,486	53,964	17.49	836,276	100,598	12.03	622,720	76,811	12.33
LEMON SOLE	483,157	75,612	15.65	17,117	2,277	13.30	1,869,795	446,170	23.86
YELLOWTAIL	891,390	63,973	7.18	278,500	15,370	5.52	30,238,443	2,578,025	8.52
HADDOCK, DRAWN:									
LARGE	33,913,568	3,375,298	9.95	7,188,212	689,716	9.60	5,996,110	548,745	9.15
SCROD	50,179,061	3,802,325	7.58	7,837,176	533,267	6.80	5,990,070	447,577	7.47
HAKE:									
RED, ROUND	55,850	2,474	4.43	130,825	3,216	2.46	250	5	2.00
WHITE, DRESSED:									
LARGE	652,480	57,478	8.81	483,498	34,640	7.16	2,115	71	3.36
SMALL	2,610	145	5.56	311,630	14,325	4.60	4,585	284	6.19
HALIBUT, DRAWN	71,706	19,572	27.29	74,752	21,262	28.44	7,092	1,731	24.41
MACKEREL, ROUND	980	184	18.78	186,738	27,467	14.71	525	105	20.00
MENHADEN, ROUND	-	-	-	491,710	4,917	1.00	2,837,700	24,596	0.87
OCEAN PERCH, ROUND	700,565	39,920	5.70	53,990,777	2,131,589	3.95	15,075	377	2.50
POLLOCK, DRAWN	8,084,210	417,206	5.16	7,651,206	259,342	3.39	32,000	1,557	4.86
SCUP OR PORGY, ROUND	-	-	-	-	-	-	285,895	17,685	6.18
SWORDFISH, DRESSED	-	-	-	230	92	40.00	456,354	222,966	48.86
TILEFISH, DRAWN	-	-	-	495	47	9.49	314,420	35,315	11.23
WHITING:									
DRESSED	140,735	5,324	3.78	56,515	2,460	4.35	-	-	-
ROUND	3,075	51	1.66	51,541,149	1,151,939	2.23	-	-	-
WOLFFISH, DRAWN	352,323	28,127	7.98	83,295	4,788	5.75	18,505	1,031	5.57
SCALLOPS, SEA (MEATS)	84,323	32,200	38.19	190,751	80,178	42.03	20,648,285	7,853,118	38.03
UNCLASSIFIED:									
FOR FOOD	35,930	2,293	6.38	5,947,548	368,677	6.20	548,673	194,874	35.52
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	20,781,420	189,204	0.91	10,908,600	69,784	0.64
TOTAL, AS LANDED	117,028,913	9,555,037	8.16	163,058,745	5,955,820	3.65	100,465,094	14,813,051	14.74
TOTAL 1960, AS LANDED	110,384,347	9,627,143	8.72	192,406,289	6,329,994	3.29	85,118,650	13,164,150	15.46

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF LANDINGS, 1961 - Continued

SPECIES	OTHER MASSACHUSETTS PORTS			TOTAL					
				1961			1960		
	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND
COD, DRAWN:									
LARGE.	1,532,103	$118,467	7.73¢	9,893,798	$711,087	7.19¢	8,664,088	$654,976	7.56¢
MARKET	1,658,624	118,136	7.12	16,975,826	1,251,365	7.37	14,521,592	1,112,354	7.66
SCROD.	170,920	10,083	5.90	4,974,652	340,794	6.85	3,044,869	213,667	7.02
CUSK, DRAWN.	13,931	446	3.20	1,137,747	69,513	6.11	1,190,297	70,985	5.96
FLOUNDERS, ROUND:									
BLACKBACK.	2,818,265	305,704	10.85	11,923,370	1,353,752	11.35	11,666,566	1,489,286	12.76
DAB.	212,576	14,303	6.73	2,791,908	217,565	7.79	2,316,610	215,995	9.32
FLUKE.	785,751	112,767	14.35	5,210,140	927,394	17.80	5,582,579	1,082,415	19.39
GRAY SOLE.	219,934	38,937	17.70	1,987,416	270,310	13.60	2,267,175	305,785	13.49
LEMON SOLE	37,801	9,720	25.71	2,407,870	533,779	22.17	2,672,737	544,417	20.37
YELLOWTAIL	3,258,599	298,113	9.15	34,666,932	2,955,481	8.52	27,685,070	2,731,936	9.87
HADDOCK, DRAWN:									
LARGE.	2,129,331	189,086	8.88	49,227,221	4,802,845	9.76	47,794,845	4,877,053	10.20
SCROD.	1,178,999	76,227	6.46	65,185,306	4,859,396	7.45	52,761,789	4,212,888	7.98
HAKE:									
RED, ROUND	6,959,150	80,190	1.15	7,146,075	85,885	1.20	7,476,825	79,280	1.06
WHITE, DRESSED:									
LARGE.	191,011	2,749	1.44	1,329,104	94,938	7.14	1,596,757	130,908	8.20
SMALL.	112,562	6,374	5.66	431,387	21,128	4.90	390,383	18,569	4.76
HALIBUT, DRAWN	32,534	15,486	47.60	186,084	58,051	31.20	156,493	46,412	29.66
MACKEREL, ROUND.	1,421,698	217,389	15.29	1,609,941	245,145	15.23	1,537,516	223,113	14.51
MENHADEN, ROUND.	33,429	345	1.03	3,362,839	29,858	0.89	18,031,004	173,684	0.96
OCEAN PERCH, ROUND	6,205	356	5.74	54,712,622	2,172,242	3.97	63,174,678	2,409,579	3.81
POLLOCK, DRAWN	271,393	11,622	4.28	16,038,809	689,727	4.30	16,196,081	639,044	3.94
SCUP OR PORGY, ROUND	748,512	25,696	3.43	1,034,407	43,381	4.19	1,174,114	27,780	2.37
SWORDFISH, DRESSED	11,871	7,582	63.87	468,455	230,640	49.23	479,321	234,766	48.98
TILEFISH, DRAWN.	12,965	1,369	10.56	327,880	36,731	11,20	1,094,810	64,806	5.92
WHITING:									
DRESSED.	3,469,467	160,853	4.64	3,666,717	168,637	4.60	3,882,670	169,513	4.36
ROUND.	16,365,034	295,008	1.80	67,909,258	1,446,998	2.13	80,851,798	1,780,339	2.20
WOLFFISH, DRAWN.	39,096	2,713	6.94	493,219	36,659	7.43	611,724	40,133	6.56
SCALLOPS, SEA (MEATS).	110,868	44,356	40.01	21,034,227	8,009,852	38.08	20,572,193	7,159,598	34.80
UNCLASSIFIED:									
FOR FOOD	4,572,518	367,253	8.03	11,104,669	933,097	8.40	11,946,117	807,835	6.76
BAIT, REDUCTION, AND ANIMAL FOOD	2,715,763	44,951	1.66	34,405,783	303,939	0.88	34,603,132	319,645	0.92
TOTAL, AS LANDED	51,090,910	2,576,281	5.04	431,643,662	32,900,189	7.62	-	-	-
TOTAL 1960, AS LANDED. .	56,034,547	2,715,474	4.85	-	-	-	443,943,833	31,836,761	7.17

NOTE:--DATA CONTAINED IN THIS REPORT ARE A SUMMARY OF LANDINGS REPORTED MONTHLY DURING THE YEAR, WHICH ACCOUNTED FOR 97.4 PERCENT OF THE 1961 MASSACHUSETTS CATCH. ADDITIONAL LANDINGS TOTALING 12.2 MILLION POUNDS, CONSISTED LARGELY OF ALEWIVES, LOBSTERS, CLAMS, MUSSELS, BAY SCALLOPS, AND IRISH MOSS. THE GRADES AND SIZES GIVEN FOR CERTAIN SPECIES IN THIS REPORT ARE THOSE RECOGNIZED IN THE TRADE. "LARGE" COD ARE CLASSIFIED AS THOSE WEIGHING OVER 10 POUNDS; "MARKET" COD, 2-1/2 TO 10 POUNDS; AND "SCROD" COD, 1-1/2 TO 2-1/2 POUNDS. "LARGE" HADDOCK ARE THOSE WEIGHING OVER 2-1/2 POUNDS, AND "SCROD" HADDOCK, 1-1/2 TO 2-1/2 POUNDS. "LARGE" HAKE ARE THOSE WEIGHING OVER 6 POUNDS AND "SMALL" HAKE, UNDER 6 POUNDS. THE FOLLOWING TERMS INDICATE THE CONDITION IN WHICH LANDED: "ROUND," AS CAUGHT; "DRAWN," EVISCERATED; AND "DRESSED," EVISCERATED AND HEADED. THE CATEGORY "OTHER MASSACHUSETTS PORTS" INCLUDES PLYMOUTH, PROVINCETOWN, AND OTHER CAPE COD PORTS.

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONG-LINES (TRAWL LINES):											
WESTERN MAINE	2	2.0	5	3.5	4,040	3,850	925	2,275	-	-	-
EASTERN MASSACHUSETTS	60	1,061.0	1,079	472.5	230,188	224,922	27,685	128,203	-	-	1,950
INNER GROUNDS	6	94.0	169	141.1	48,520	53,735	10,425	134,105	237	-	-
WEST SIDE SOUTH CHANNEL	27	1,260.0	1,314	677.5	816,162	373,838	17,110	13,614	607	1,909	183
TOTAL	1/ 81	2,417.0	2,567	1,294.6	1,098,910	656,345	56,145	276,197	844	1,909	2,133
HANDLINES:											
EASTERN MASSACHUSETTS	103	1,007.0	1,007	324.4	216,395	62,633	40	500	-	-	-
WEST SIDE SOUTH CHANNEL	24	972.0	972	485.0	178,089	124,206	-	42	678	276	8
TOTAL	127	1,979.0	1,979	809.4	394,484	186,839	40	542	678	276	8
HARPOONS:											
EASTERN MASSACHUSETTS	14	79.0	79	15.5	-	-	-	-	-	-	-
NORTHERN EDGE OF GEORGES	2	3.0	43	21.0	-	-	-	-	-	-	-
CENTRAL AND SOUTHEAST GEORGES	1	1.0	7	4.0	-	-	-	-	-	-	-
NANTUCKET SHOALS AND LIGHTSHIP	14	50.0	375	212.9	-	-	-	-	-	-	-
OFF NO MANS LAND	20	47.0	248	136.2	-	-	-	-	-	-	-
TOTAL	1/ 34	180.0	752	389.6	-	-	-	-	-	-	-
OTTER TRAWLS, LARGE:											
SOUTHEAST GRAND BANK	1	0.5	5	1.5	-	-	-	-	-	-	-
SOUTHWEST GRAND BANK	5	17.6	264	48.2	473	-	-	350	389	-	-
ST. PIERRE BANK	5	1.6	26	6.5	-	-	-	-	-	-	-
EAST GULF ST. LAWRENCE	2	0.7	10	2.0	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	12	28.3	375	109.5	924	4,542	-	100	2,721	-	-
MISAINE BANK	4	6.2	68	18.2	1,050	780	-	140	91	-	-
BANQUEREAU	9	11.3	142	42.6	822	1,090	-	100	2,340	-	-
CANSO	11	26.8	337	87.6	755	4,172	-	549	28,032	-	-
MIDDLE GROUND	3	1.2	15	4.0	-	-	-	-	-	-	-
HORSESHOE GROUND	12	15.8	201	50.5	1,031	1,936	-	355	6,511	-	-
EASTERN NOVA SCOTIA	9	14.5	193	52.7	1,081	2,753	-	1,087	2,895	-	-
EMERALD BANK	7	2.3	28	7.2	285	935	-	267	-	-	-
CENTRAL NOVA SCOTIA	13	34.3	470	114.1	4,128	10,782	70	4,762	6,137	-	-
EAST BROWNS AND LA HAVE	32	46.9	434	272.3	150,553	308,683	67,635	41,370	1,912	750	2,000
SOUTHERN NOVA SCOTIA	24	27.6	299	129.4	55,655	106,848	19,980	9,090	1,152	250	1,800
WESTERN BROWNS	29	54.9	520	367.1	223,431	338,922	81,275	42,105	1,175	550	5,900
WESTERN NOVA SCOTIA 2/	1	0.1	1	0.1	-	-	-	-	-	-	-
SOUTHERN BAY OF FUNDY	3	1.9	16	9.2	10,200	10,500	7,900	-	700	-	-
NORTHERN BAY OF FUNDY	4	3.7	33	21.6	7,100	10,500	3,775	1,150	850	-	-
EASTERN MAINE	2	1.3	9	5.3	3,900	6,410	3,825	100	300	-	-
WESTERN MAINE	1	1.0	1	0.5	210	-	-	-	-	-	-
EASTERN MASSACHUSETTS	3	4.5	11	6.7	1,475	1,790	3,300	765	701	-	125
INNER GROUNDS	8	4.1	40	18.1	1,016	1,075	120	1,007	5,433	-	-
WEST SIDE SOUTH CHANNEL	28	82.5	575	409.8	142,976	197,349	162,588	16,348	32,914	13,675	60,965
EAST SIDE SOUTH CHANNEL	33	93.7	712	477.9	130,435	209,620	106,207	20,480	16,322	41,975	40,865
NORTHERN EDGE OF GEORGES	25	302.5	2,596	1,805.9	2,257,940	3,997,820	2,313,520	116,100	4,700	79,500	79,075
CENTRAL AND SOUTHEAST GEORGES	27	134.9	1,196	839.4	789,825	1,026,640	483,810	13,125	4,450	134,413	163,500
SOUTHWEST GEORGES	19	12.9	125	86.6	24,620	45,650	20,610	3,500	535	4,750	12,250
NANTUCKET SHOALS AND LIGHTSHIP	3	3.4	18	11.9	-	600	900	-	-	100	-
TOTAL	1/ 41	937.0	8,721	5,006.4	3,809,885	6,289,397	3,275,515	272,850	120,260	275,963	366,480

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM:											
SOUTHWEST GRAND BANK	1	0.2	2	0.5	-	-	-	-	-	-	-
ST. PIERRE BANK	1	0.2	2	0.5	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	2	3.1	40	10.4	-	-	-	-	-	-	-
MISAINE BANK 2/	1	0.1	1	0.5	-	-	-	-	-	-	-
BANQUEREAU	6	14.1	155	46.1	30	1,710	-	300	438	-	-
CANSO	7	6.5	78	22.7	945	15,612	3,750	37	134,537	-	-
MIDDLE GROUND	3	2.8	41	10.7	145	4,810	-	75	31,046	-	-
HORSESHOE GROUND	8	7.7	81	21.8	805	516	-	571	146	-	-
EASTERN NOVA SCOTIA	4	6.3	68	16.1	31	12	-	179	95	-	-
EMERALD BANK	4	2.5	23	6.1	10	297	-	239	-	-	-
CENTRAL NOVA SCOTIA	12	31.6	347	90.0	1,138	2,218	-	2,587	455	-	-
EAST BROWNS AND LA HAVE	33	65.9	572	272.1	66,704	221,093	21,132	68,687	5,615	870	1,550
SOUTHERN NOVA SCOTIA	33	57.5	479	178.4	34,866	91,073	8,410	13,229	14,264	70	3,250
WESTERN BROWNS	28	47.6	352	219.5	105,437	185,359	14,033	25,129	2,090	2,150	9,250
WESTERN NOVA SCOTIA	7	6.4	44	16.0	597	1,596	408	5,619	607	-	-
SOUTHERN BAY OF FUNDY	5	2.0	14	8.6	3,400	4,500	2,900	150	550	-	-
NORTHERN BAY OF FUNDY	10	16.3	128	70.8	36,615	56,630	31,865	3,598	5,027	75	135
EASTERN MAINE	[illegible]	5.2	48	18.6	5,950	10,660	5,825	4,235	2,695	-	-
WESTERN MAINE	33	312.7	501	310.3	106,445	158,290	45,556	67,824	153,227	160	4,017
EASTERN MASSACHUSETTS	[illegible]	1,185.9	1,392	686.6	146,703	212,763	76,211	32,254	79,850	2,405	270,813
INNER GROUNDS	38	88.9	482	218.2	20,417	34,099	7,097	68,234	33,088	335	1,150
WEST SIDE SOUTH CHANNEL	120	1,036.1	4,117	2,603.2	826,013	2,289,142	507,660	113,044	269,609	167,175	652,169
EAST SIDE SOUTH CHANNEL	[illegible]	705.1	3,777	2,393.7	669,219	921,123	206,102	125,197	248,119	381,323	1,246,352
NORTHERN EDGE OF GEORGES	[illegible]	87.1	657	433.7	435,900	455,043	134,115	7,620	12,912	233,853	137,305
CENTRAL AND SOUTHEAST GEORGES	71	375.7	2,701	1,694.3	668,469	738,300	113,530	2,850	38,785	824,186	4,963,289
SOUTHWEST GEORGES	[illegible]	101.0	682	443.3	81,098	281,493	66,450	2,975	57,530	94,636	531,391
NANTUCKET SHOALS AND LIGHTSHIP	[illegible]	[illegible]	3,489	2,230.1	213,425	1,377,929	86,883	-	146,980	154,408	7,623,387
OFF NO MANS LAND	[illegible]	[illegible]	960	574.0	6,608	14,210	125	-	6,310	165	2,689,555
SOUTHERN MASSACHUSETTS	4	9.0	17	12.5	-	290	-	-	-	30	4,075
RHODE ISLAND SHORE	7	7.4	37	20.9	375	705	-	-	125	-	108,800
OFF LONG ISLAND	40	96.0	639	412.9	1,495	2,265	-	-	29,230	850	145,175
TOTAL	1/[illegible]	5,180.0	21,926	13,043.1	3,432,840	7,081,740	1,332,052	544,633	1,273,330	1,862,691	18,391,663
OTTER TRAWLS, SMALL:											
EASTERN MAINE	1	1.0	6	2.7	550	900	-	-	125	-	-
CENTRAL MAINE	1	1.0	7	1.2	-	600	250	-	835	-	-
WESTERN MAINE	[illegible]	238.0	401	236.8	75,728	67,457	23,301	12,060	85,494	-	10,255
EASTERN MASSACHUSETTS	121	7,823.5	8,036	3,349.8	484,326	752,455	191,715	12,776	257,758	11,555	2,406,241
INNER GROUNDS	5	21.4	70	27.1	2,222	3,808	498	5,414	3,640	-	-
WEST SIDE SOUTH CHANNEL	92	548.1	1,395	757.1	108,309	673,615	44,506	5,962	59,632	60,757	741,742
EAST SIDE SOUTH CHANNEL	29	76.1	336	207.9	56,133	69,132	500	2,548	51,380	16,107	320,125
NORTHERN EDGE OF GEORGES	8	7.6	49	34.5	1,562	5,738	125	-	6,785	15,788	53,750
CENTRAL AND SOUTHEAST GEORGES	18	84.8	538	327.8	16,620	28,595	125	-	6,315	58,545	1,590,240
SOUTHWEST GEORGES	9	10.4	54	33.5	525	4,500	-	-	7,125	3,670	164,650
NANTUCKET SHOALS AND LIGHTSHIP	89	702.7	2,617	1,636.8	81,878	654,780	43,515	-	86,160	85,788	5,111,053
OFF NO MANS LAND	88	746.1	1,817	1,154.1	18,555	69,345	2,795	-	13,870	880	4,609,327
SOUTHERN MASSACHUSETTS	71	364.3	713	383.2	445	22,945	50	-	1,210	8,446	37,495
RHODE ISLAND SHORE	22	57.7	205	120.4	13,910	13,515	-	-	5,320	-	482,778
OFF LONG ISLAND	29	57.3	288	188.2	2,435	7,355	-	-	6,655	-	302,412
TOTAL	1/206	10,740.0	16,532	8,461.1	863,198	2,374,740	307,380	38,760	592,304	261,536	15,830,068

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
FLOATING TRAPS, EASTERN MASSACHUSETTS	9	663.0	663	663.0	85	9,135	-	-	-	-	-
SINK GILL NETS, EASTERN MASSACHUSETTS	13	766.0	779	773.0	292,353	376,330	3,305	2,765	-	-	1,880
DRIFT GILL NETS, EASTERN MASSACHUSETTS	19	176.0	176	83.6	-	-	-	-	-	-	-
PURSE SEINES:											
EASTERN MASSACHUSETTS.	9	207.0	208	80.2	-	-	-	-	-	-	-
OFF NO MANS LAND	8	31.0	33	15.6	-	-	-	-	-	-	-
SOUTHERN MASSACHUSETTS	1	1.0	1	0.3	-	-	-	-	-	-	-
RHODE ISLAND SHORE	1	1.0	1	0.3	-	-	-	-	-	-	-
TOTAL	1/12	240.0	243	96.4	-	-	-	-	-	-	-
SCALLOP DREDGES:											
EASTERN MASSACHUSETTS.	6	121.0	169	79.6	-	-	-	-	-	-	795
WEST SIDE SOUTH CHANNEL.	43	92.6	554	414.4	-	-	-	-	-	125	7,475
EAST SIDE SOUTH CHANNEL.	46	163.1	1,103	771.0	-	-	-	-	-	500	5,265
NORTHERN EDGE OF GEORGES	67	547.6	4,057	2,727.7	-	-	125	-	-	3,840	6,875
CENTRAL AND SOUTHEAST GEORGES.	60	330.0	2,609	1,801.8	-	250	-	-	-	425	25,560
SOUTHWEST GEORGES.	50	267.8	2,145	1,547.5	125	185	-	-	-	190	24,145
NANTUCKET SHOALS AND LIGHTSHIP	36	112.9	678	483.8	-	65	-	-	-	415	4,460
OFF NO MANS LAND	1	1.0	1	1.0	-	-	-	-	-	-	-
RHODE ISLAND SHORE	1	1.0	10	7.9	-	-	-	-	-	-	-
OFF LONG ISLAND.	2	2.0	10	6.0	-	-	-	-	-	-	125
TOTAL	1/81	1,639.0	11,336	7,840.7	3/125	3/500	3/125	-	-	3/5,495	3/74,700
POUND NETS:											
EASTERN MASSACHUSETTS.	9	780.0	780	778.0	1,918	800	90	-	-	-	-
WEST SIDE SOUTH CHANNEL.	9	337.0	337	337.0	-	-	-	-	-	-	-
SOUTHERN MASSACHUSETTS	1	7.0	7	7.0	-	-	-	-	-	-	-
TOTAL	19	1,124.0	1,124	1,122.0	1,918	800	90	-	-	-	-
GRAND TOTAL	1/712	26,041.0	66,798	39,582.9	9,893,798	16,975,826	4,974,652	1,137,747	1,987,416	2,407,870	34,666,932

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	WHITE, DRESSED				
							LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONGLINES (TRAWL LINES):											
WESTERN MAINE	-	-	-	3,850	1,200	-	-	-	582	-	-
EASTERN MASSACHUSETTS	78,950	-	-	364,445	39,650	950	3,600	230	6,719	-	-
INNER GROUNDS	-	-	-	261,323	36,695	-	40,010	2,010	5,159	-	-
WEST SIDE SOUTH CHANNEL	460	-	-	1,297,644	63,330	265	3,591	5,188	27,312	835	-
TOTAL	79,410	-	-	1,927,262	140,875	1,215	47,201	7,428	39,772	835	-
[illegible]:											
EASTERN MASSACHUSETTS	1,585	15	3,296	450	-	-	30	-	361	20	-
WEST SIDE SOUTH CHANNEL	-	5	358	192,583	-	95	-	146	1,036	4,328	-
TOTAL	1,585	20	3,654	193,033	-	95	30	146	1,397	4,348	-
OTTER TRAWLS, LARGE:											
SOUTHWEST GRAND BANK	-	-	-	88	185	-	-	420	5,330	-	-
ST. PIERRE BANK	-	-	-	-	-	-	-	-	616	-	-
NORTHEAST CAPE BRETON	-	520	-	1,391	746	-	190	88	434	-	-
MISAINE BANK	-	-	-	50	90	-	-	-	486	-	-
BANQUEREAU	-	1,095	-	433	500	-	165	-	1,294	-	-
CANSO	-	4,172	-	2,765	4,698	-	538	128	149	-	-
MIDDLE GROUND	-	-	-	-	-	-	-	-	142	-	-
HORSESHOE GROUND	-	87	-	1,648	1,885	-	857	45	2,490	-	-
EASTERN NOVA SCOTIA	-	243	-	3,201	6,130	-	620	609	1,835	-	-
EMERALD BANK	-	-	-	105	699	-	101	25	534	-	-
CENTRAL NOVA SCOTIA	-	1,550	-	5,134	15,707	-	1,760	540	5,547	-	-
EAST BROWNS AND LA HAVE	750	11,790	500	1,696,975	2,414,609	53,900	28,813	50	9,654	-	-
SOUTHERN NOVA SCOTIA	250	3,725	-	442,965	556,989	-	4,150	250	4,592	-	-
WESTERN BROWNS	1,150	15,655	-	2,217,200	2,929,676	-	35,497	-	6,703	-	-
SOUTHERN BAY OF FUNDY	-	450	-	30,700	20,400	-	19,700	-	-	-	-
NORTHERN BAY OF FUNDY	-	850	-	53,310	73,159	-	14,750	-	140	-	-
EASTERN MAINE	-	375	-	8,675	16,030	-	1,740	1,000	-	-	-
WESTERN MAINE	-	55	-	625	1,445	-	25	-	-	-	-
EASTERN MASSACHUSETTS	-	1,160	-	7,820	29,946	-	1,170	230	-	-	-
INNER GROUNDS	-	510	-	12,499	9,726	-	960	260	209	-	-
WEST SIDE SOUTH CHANNEL	65,397	40,943	-	1,104,589	2,656,895	-	41,610	3,515	2,463	-	-
EAST SIDE SOUTH CHANNEL	44,288	38,990	-	2,145,938	1,953,640	-	47,487	3,595	4,007	-	-
NORTHERN EDGE OF GEORGES	82,690	27,125	-	6,299,445	13,570,330	1,000	28,725	-	14,016	-	-
CENTRAL AND SOUTHEAST GEORGES	147,262	42,000	-	3,229,010	6,433,895	-	13,160	-	4,985	-	-
SOUTHWEST GEORGES	10,250	6,300	-	467,650	631,955	-	1,400	-	1,344	-	-
NANTUCKET SHOALS AND LIGHTSHIP	-	200	-	27,800	57,000	-	-	4,050	-	-	-
TOTAL	352,03[illegible]	197,795	500	17,760,016	31,386,335	54,900	243,418	14,805	66,970	-	-
[illegible]WLS, MEDIUM:											
[illegible] CAPE [illegible]	-	-	-	-	-	-	-	-	127	-	-
[illegible]	-	728	-	500	687	-	390	15	1,439	-	-
[illegible]	-	27,678	-	162	449	-	37	-	107	-	-
[illegible]	-	3,300	-	450	174	-	-	291	628	-	-
[illegible]	-	120	-	1,540	1,445	-	806	20	573	90	-
[illegible] SCOTIA	-	50	-	150	1,517	-	560	97	168	-	-
[illegible]	-	10	-	295	520	-	97	-	57	-	-
[illegible] SCOTIA	-	275	-	1,587	4,173	-	1,265	1,961	961	-	-
[illegible] AND LA HAVE	1,050	22,350	-	1,282,270	1,900,918	-	9,253	1,677	17,764	-	-

[illegible] END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	WHITE, DRESSED				
							LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM - CONTINUED:											
SOUTHERN NOVA SCOTIA	70	11,403	-	327,260	412,787	-	15,027	3,914	3,789	10	-
WESTERN BROWNS	2,650	19,949	-	1,225,123	1,522,040	-	4,020	1,560	10,786	-	-
WESTERN NOVA SCOTIA	303	1,310	-	13,890	15,014	-	1,885	5,899	98	-	-
SOUTHERN BAY OF FUNDY	-	675	-	24,600	29,050	-	14,750	-	-	-	-
NORTHERN BAY OF FUNDY	1,236	2,933	-	228,038	266,279	-	41,560	4,512	953	-	-
EASTERN MAINE	130	1,680	-	37,755	36,910	-	33,850	3,550	-	-	-
WESTERN MAINE	1,196	78,905	-	737,725	628,887	35,670	71,409	52,406	3,859	-	-
EASTERN MASSACHUSETTS	244,917	238,508	1,145	763,561	1,174,363	1,918,730	33,684	63,992	2,124	555	-
INNER GROUNDS	529	27,015	-	406,169	206,722	-	26,135	18,266	1,974	-	-
WEST SIDE SOUTH CHANNEL	1,034,763	288,647	1,805	7,055,445	11,026,062	1,651,370	393,803	46,201	6,078	60	-
EAST SIDE SOUTH CHANNEL	385,006	837,844	3,860	8,541,274	6,040,605	677,765	206,959	36,879	12,359	100	-
NORTHERN EDGE OF GEORGES	199,961	96,358	1,100	1,033,662	1,663,420	-	3,465	1,045	2,676	-	-
CENTRAL AND SOUTHEAST GEORGES	733,641	120,299	4,320	2,785,277	3,481,340	-	2,950	45	2,848	-	-
SOUTHWEST GEORGES	88,778	22,168	133,453	1,636,651	1,192,656	-	1,150	-	1,444	-	-
NANTUCKET SHOALS AND LIGHTSHIP	1,912,785	7,211	1,280,792	767,612	1,403,966	250	2,400	1,375	1,515	-	-
OFF NO MANS LAND	90,903	-	511,261	570	165	55,000	-	330	-	-	-
SOUTHERN MASSACHUSETTS	25,745	-	3,905	1,000	510	-	-	-	-	-	-
RHODE ISLAND SHORE	50	-	-	125	-	-	-	-	-	-	-
OFF LONG ISLAND	18,625	-	1,285,704	675	375	-	-	2,370	-	-	-
TOTAL	4,742,340	1,809,422	3,227,345	26,873,366	31,011,034	4,338,785	865,455	246,405	72,327	815	-
OTTER TRAWLS, SMALL:											
EASTERN MAINE	400	775	-	1,625	450	-	-	50	55	-	-
CENTRAL MAINE	-	310	-	625	1,750	-	6,740	765	-	-	-
WESTERN MAINE	4,465	94,014	440	316,414	296,916	5,325	37,363	27,884	266	-	-
EASTERN MASSACHUSETTS	1,783,143	434,757	12,927	951,657	1,292,236	1,940,290	37,891	116,828	3,212	1,755	-
INNER GROUNDS	-	1,800	-	21,766	16,022	-	-	902	56	-	-
WEST SIDE SOUTH CHANNEL	1,780,715	43,374	59,122	390,416	424,960	434,700	4,301	8,399	1,119	-	-
EAST SIDE SOUTH CHANNEL	28,378	170,808	305	273,033	129,002	262,400	7,745	4,365	445	-	-
NORTHERN EDGE OF GEORGES	15,852	19,586	70	23,826	35,166	-	-	-	-	-	-
CENTRAL AND SOUTHEAST GEORGES	41,555	11,215	2,325	93,837	96,885	-	-	-	-	-	-
SOUTHWEST GEORGES	6,750	1,675	-	40,000	24,625	-	-	-	-	-	-
NANTUCKET SHOALS AND LIGHTSHIP	1,764,830	5,570	597,817	203,335	319,793	-	-	2,800	-	-	-
OFF NO MANS LAND	633,263	255	425,881	6,490	8,005	-	115	-	150	-	-
SOUTHERN MASSACHUSETTS	598,635	350	520,149	1,790	905	-	-	-	58	-	-
RHODE ISLAND SHORE	25,440	-	455	670	55	-	-	-	-	-	-
OFF LONG ISLAND	3,297	-	315,933	1,125	290	-	-	-	-	-	-
TOTAL	6,686,723	784,501	1,935,424	2,326,609	2,647,062	2,642,715	94,175	162,013	5,361	1,755	-
FLOATING TRAPS, EASTERN MASSACHUSETTS	15	-	-	-	-	-	-	-	162	173,193	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	WHITE, DRESSED				
							LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
SINK GILL NETS, EASTERN MASSACHUSETTS	53,575	5	-	146,935	-	-	78,825	-	95	-	-
DRIFT GILL NETS, EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	-	51,662	-
PURSE SEINES:											
EASTERN MASSACHUSETTS.	-	-	-	-	-	-	-	-	-	5,625	442,910
OFF NO MANS LAND	-	-	-	-	-	-	-	-	-	-	2,799,440
SOUTHERN MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	48,800
RHODE ISLAND SHORE	-	-	-	-	-	-	-	-	-	525	38,260
TOTAL	-	-	-	-	-	-	-	-	-	6,150	3,329,410
ALLOP DREDGES:											
EASTERN MASSACHUSETTS.	920	-	-	-	-	-	-	-	-	-	-
WEST SIDE SOUTH CHANNEL.	370	-	-	-	-	-	-	-	-	-	-
EAST SIDE SOUTH CHANNEL.	760	-	185	-	-	-	-	-	-	-	-
NORTHERN EDGE OF GEORGES	1,150	165	-	-	-	-	-	-	-	-	-
TRAL AND SOUTHEAST GEORGES.	545	-	-	-	-	-	-	-	-	-	-
WEST GEORGES.	-	-	220	-	-	-	-	-	-	-	-
UCKET SHOALS AND LIGHTSHIP	650	-	25	-	-	-	-	-	-	-	-
NO MANS LAND	1,350	-	395	-	-	-	-	-	-	-	-
LONG ISLAND.	-	-	180	-	-	-	-	-	-	-	-
TOTAL	3/5,745	3/165	3/1,005	-	-	-	-	-	-	-	-
SSACHUSETTS.	125	-	3,587	-	-	108,365	-	590	-	822,253	2,400
SOUTH CHANNEL.	1,815	-	38,625	-	-	-	-	-	-	548,930	31,029
TOTAL	1,940	-	42,212	-	-	108,365	-	590	-	1,371,183	33,429
TOTAL	11,923,370	2,[illegible]91,908	5,210,140	49,22[illegible],221	65,185,30[illegible]	7,14[illegible],075	1,329,104	431,3[illegible]	186,084	1,[illegible]09,941	[illegible],362,[illegible]9

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LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LONG LINES (TRAWL LINES):										
WESTERN MAINE	-	100	-	-	-	-	75	-	175	17,072
EASTERN MASSACHUSETTS	-	9,920	-	-	-	-	2,840	-	31,925	1,152,177
INNER GROUNDS	-	16,305	-	-	-	-	600	-	2,240	611,364
WEST SIDE SOUTH CHANNEL	-	22,707	-	-	-	-	5,961	-	257	2,650,973
TOTAL	-	49,032	-	-	-	-	9,476	-	34,597	4,431,586
HANDLINES:										
EASTERN MASSACHUSETTS	-	179,430	-	-	-	-	20	-	113,847	578,624
WEST SIDE SOUTH CHANNEL	-	17,833	-	-	-	-	125	-	989	520,795
TOTAL	-	197,263	-	-	-	-	145	-	114,836	1,099,419
HARPOONS:										
MISAINE BANK (OCCASIONAL)	-	-	-	230	-	-	-	-	-	230
EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	51,131	51,131
NORTHERN EDGE OF GEORGES	-	-	-	28,731	-	-	-	-	-	28,731
CENTRAL AND SOUTHEAST GEORGES	-	-	-	2,461	-	-	-	-	-	2,461
NANTUCKET SHOALS AND LIGHTSHIP	-	-	-	290,032	-	-	-	-	-	290,032
OFF NO MANS LAND	-	-	-	146,237	-	-	-	-	-	146,237
TOTAL	-	-	-	467,691	-	-	-	-	51,131	518,822
OTTER TRAWLS, LARGE:										
SOUTHEAST GRAND BANK	85,000	-	-	-	-	-	-	-	-	85,000
SOUTHWEST GRAND BANK	3,142,140	788	-	-	-	-	263	-	-	3,150,426
ST. PIERRE BANK	316,190	-	-	-	-	-	-	-	-	316,806
EAST GULF ST. LAWRENCE	117,700	-	-	-	-	-	-	-	-	117,700
NORTHEAST CAPE BRETON	5,071,589	1,833	-	-	-	-	84	-	-	5,085,162
MISAINE BANK	997,000	135	-	-	-	-	-	-	-	999,822
BANQUEREAU	1,880,198	16,106	-	-	-	-	191	-	-	1,904,334
CANSO	4,689,940	9,686	-	-	-	-	16	-	-	4,745,600
MIDDLE GROUND	222,700	-	-	-	-	-	-	-	-	222,842
HORSESHOE GROUND	2,593,137	71,564	-	-	-	-	352	-	-	2,681,898
EASTERN NOVA SCOTIA	2,746,776	13,310	-	-	-	-	232	-	-	2,780,772
EMERALD BANK	438,035	8,479	-	-	-	-	-	-	-	449,465
CENTRAL NOVA SCOTIA	5,941,159	29,666	-	-	-	-	261	-	-	6,027,203
EAST BROWNS AND LA HAVE	570,791	519,390	-	-	-	-	14,245	-	-	5,894,370
SOUTHERN NOVA SCOTIA	1,721,045	833,622	-	-	-	-	7,525	-	-	3,769,898
WESTERN BROWNS	1,585	683,962	-	-	225	-	37,080	-	-	6,622,091
SOUTHERN BAY OF FUNDY	700	9,300	-	-	-	-	200	-	-	110,750
NORTHERN BAY OF FUNDY	13,200	26,975	-	-	-	300	200	-	450	206,709
EASTERN MAINE	1,850	6,000	-	-	-	-	100	-	-	50,305
WESTERN MAINE	-	305	-	-	-	-	-	-	-	2,665
EASTERN MASSACHUSETTS	1,400	103,400	-	-	-	-	195	-	-	153,477
INNER GROUNDS	358,500	7,073	-	-	-	-	73	-	-	398,461
WEST SIDE SOUTH CHANNEL	108,165	335,722	-	-	8,500	268,995	5,789	-	3,803	5,273,201
EAST SIDE SOUTH CHANNEL	453,935	539,229	-	-	11,900	971,873	5,379	-	1,737	6,787,902
NORTHERN EDGE OF GEORGES	2,350	1,960,165	-	-	-	-	114,598	-	650	30,949,749
CENTRAL AND SOUTHEAST GEORGES	5,850	176,500	-	-	400	-	19,725	-	425	12,688,975

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, LARGE - CONTINUED:										
SOUTHWEST GEORGES	-	73,710	-	-	-	-	20,300	-	470	1,325,294
NANTUCKET SHOALS AND LIGHTSHIP	-	100	-	-	-	300,000	-	-	740	391,490
TOTAL	31,480,935	5,427,020	-	-	21,025	1,541,168	226,808	-	8,275	103,192,357
OTTER TRAWLS, MEDIUM:										
SOUTHWEST GRAND BANK	13,500	-	-	-	-	-	-	-	162	13,662
ST. PIERRE BANK	13,500	-	-	-	-	-	-	-	162	13,662
NORTHEAST CAPE BRETON	342,190	-	-	-	-	-	-	-	324	342,641
BANQUEREAU	1,905,308	1,444	-	-	-	-	36	-	-	1,913,025
CANSO	577,969	350	-	-	-	-	-	-	-	761,633
MIDDLE GROUND	356,700	878	-	-	-	-	54	-	-	398,551
HORSESHOE GROUND	963,550	15,868	-	-	-	-	-	-	81	986,137
EASTERN NOVA SCOTIA	705,600	660	-	-	-	-	85	-	-	709,204
EMERALD BANK	303,400	37	-	-	-	-	-	-	-	304,962
CENTRAL NOVA SCOTIA	3,678,954	11,790	-	-	-	-	250	-	-	3,707,614
EAST BROWNS AND LA HAVE	1,759,054	490,694	-	-	-	1,610	18,708	-	1,529	5,892,528
SOUTHERN NOVA SCOTIA	3,399,618	712,974	-	-	100	230	13,202	-	5,884	5,071,430
WESTERN BROWNS	57,825	236,255	-	-	-	460	37,263	-	498	3,461,877
WESTERN NOVA SCOTIA	351,380	6,780	-	-	-	220	63	-	100	405,771
SOUTHERN BAY OF FUNDY	2,700	1,500	-	-	-	-	250	-	8,000	93,025
NORTHERN BAY OF FUNDY	24,320	136,852	-	-	1,820	-	1,908	-	9,218	853,576
EASTERN MAINE	146,000	3,400	-	-	-	-	200	-	-	292,840
WESTERN MAINE	1,212,788	670,872	-	-	-	453,691	13,968	-	260,190	4,757,085
EASTERN MASSACHUSETTS	332,297	3,108,553	-	-	529,610	14,071,911	6,410	-	1,225,961	24,537,320
INNER GROUNDS	2,655,022	217,069	-	-	-	15,840	2,212	-	1,780	3,743,153
WEST SIDE SOUTH CHANNEL	1,278,121	1,451,795	-	-	74,755	11,543,122	35,885	365	276,366	40,989,455
EAST SIDE SOUTH CHANNEL	1,100,780	970,971	-	-	45,135	11,581,267	22,680	-	390,318	34,651,237
NORTHERN EDGE OF GEORGES	4,870	91,838	-	-	-	81,000	20,211	-	2,753	4,619,107
CENTRAL AND SOUTHEAST GEORGES	8,400	63,679	-	-	800	-	3,970	-	776	14,557,754
SOUTHWEST GEORGES	2,200	28,530	-	-	-	-	2,230	-	5,250	4,230,083
NANTUCKET SHOALS AND LIGHTSHIP	400	9,530	7,435	-	250	2,487,984	15,315	-	385,931	17,887,763
OFF NO MANS LAND	-	-	62,400	-	-	-	-	-	6,139,966	9,577,568
SOUTHERN MASSACHUSETTS	-	-	89,910	-	-	-	-	-	4,265	129,730
RHODE ISLAND SHORE	-	-	-	-	-	-	-	-	-	110,180
OFF LONG ISLAND	-	240	15,980	-	-	-	-	-	12,375	1,515,359
TOTAL	21,196,446	8,232,559	175,725	-	652,470	40,237,335	194,900	3/ 365	6,731,889	186,527,932
OTTER TRAWLS, SMALL:										
EASTERN MAINE	4,200	500	-	-	-	-	515	-	-	10,145
CENTRAL MAINE	-	7,060	-	-	-	-	-	-	-	18,935
WESTERN MAINE	424,314	286,165	-	-	4,313	3,175,885	8,762	-	160,495	5,117,336
EASTERN MASSACHUSETTS	364,963	1,116,685	7,885	-	2,953,859	18,389,176	38,905	1,826	5,434,519	38,999,342
INNER GROUNDS	839,568	46,662	-	-	-	-	48	-	-	942,406
WEST SIDE SOUTH CHANNEL	217,996	56,517	1,685	-	31,250	3,445,900	12,230	-	178,055	8,785,262
EAST SIDE SOUTH CHANNEL	184,200	35,149	-	-	-	656,450	850	-	58,164	2,327,239
NORTHERN EDGE OF GEORGES	-	-	-	-	-	-	-	-	-	178,250
CENTRAL AND SOUTHEAST GEORGES	-	-	400	764	-	-	-	-	1,733	1,949,154

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1961 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL - CONTINUED:										
SOUTHWEST GEORGES	-	-	-	-	-	-	-	-	-	253,520
NANTUCKET SHOALS AND LIGHTSHIP	-	60	31,860	-	-	182,500	565	-	232,981	9,405,285
OFF NO MANS LAND	-	400	168,180	-	-	-	-	-	4,663,286	10,620,797
SOUTHERN MASSACHUSETTS	-	5	637,770	-	-	-	-	-	33,020	1,863,283
RHODE ISLAND SHORE	-	-	-	-	-	-	-	-	-	542,143
OFF LONG ISLAND	-	375	2,280	-	-	-	-	-	6,355	648,512
TOTAL	2,035,241	1,549,578	850,060	3/764	2,989,422	25,849,911	61,875	3/1,826	10,768,508	81,661,[illegible]09
FLOATING TRAPS, EASTERN MASSACHUSETTS	-	12,783	-	-	-	121,997	-	-	870,212	1,167,582
SINK GILL NETS, EASTERN MASSACHUSETTS	-	487,540	-	-	-	265	15	-	406,839	1,850,727
DRIFT GILL NETS, EASTERN MASSACHUSETTS	-	-	-	-	-	75	-	-	4,275	5[illegible],012
PURSE SEINES:										
EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	21,458,920	21,907,455
OFF NO MANS LAND	-	-	-	-	-	-	-	-	-	2,799,440
SOUTHERN MASSACHUSETTS	-	-	-	-	-	-	-	-	48,790	97,590
RHODE ISLAND SHORE	-	-	-	-	-	-	-	-	-	38,785
TOTAL	-	-	-	-	-	-	-	-	21,507,710	24,843,270
SCALLOP DREDGES:										
EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	126,859	240	128,814
WEST SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	1,158,012	-	1,165,982
EAST SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	1,936,629	-	1,943,339
NORTHERN EDGE OF GEORGES	-	-	-	-	-	-	-	7,874,206	-	7,886,361
CENTRAL AND SOUTHEAST GEORGES	-	-	-	-	-	-	-	4,974,996	-	5,001,776
SOUTHWEST GEORGES	-	-	-	-	-	-	-	3,617,170	-	3,642,035
NANTUCKET SHOALS AND LIGHTSHIP	-	-	-	-	-	-	-	1,311,634	-	1,317,249
OFF NO MANS LAND	-	-	-	-	-	-	-	-	-	1,745
RHODE ISLAND SHORE	-	-	-	-	-	-	-	18,438	-	18,438
OFF LONG ISLAND	-	-	-	-	-	-	-	14,092	-	14,397
TOTAL	-	-	-	-	-	-	-	21,032,036	240	21,120,136
POUND NETS:										
EASTERN MASSACHUSETTS	-	81,730	-	-	3,800	158,492	-	-	2,545,041	3,729,191
WEST SIDE SOUTH CHANNEL	-	1,304	8,622	-	-	15	-	-	791,916	1,422,256
SOUTHERN MASSACHUSETTS	-	-	-	-	-	-	-	-	2,763	2,763
TOTAL	-	83,034	8,622	-	3,800	158,507	-	-	3,339,720	5,154,210
GRAND TOTAL	54,712,622	16,038,809	1,034,407	408,455	3,066,717	67,909,258	493,219	21,034,227	45,838,332	431,643,662

1/ EXCLUSIVE OF DUPLICATION. 2/ NO CATCH. 3/ INCIDENTIAL CATCH.

NOTE:--OTTER TRAWLS ARE CLASSIFIED ACCORDING TO SIZE OF THE CRAFT. "SMALL" OTTER TRAWL CRAFT ARE THOSE 50 GROSS TONS CAPACITY OR UNDER; "MEDIUM," 51 GROSS TONS TO 150 GROSS TONS; AND "LARGE," 151 GROSS TONS OR GREATER. A SINGLE TRIP IS REPORTED FOR EACH VOYAGE. DAYS ABSENT IS THE MEASURE OF TIME, TO THE NEAREST COMPLETE DAY, THAT A VESSEL IS AWAY FROM PORT DURING A FISHING TRIP. WHEN A CRAFT OPERATED IN TWO OR MORE SUBAREAS DURING A VOYAGE, A FRACTIONAL PART (IN TENTHS) OF THE TRIP IS ALLOTTED TO THE SUBAREA ON THE BASIS OF THE CATCH TAKEN IN EACH SUBAREA. "OCCASIONAL" AFTER THE NAME OF A SUBAREA INDICATES THAT THE CRAFT CONTRIBUTING TO THE CATCH AS SHOWN FISHED CHIEFLY WITH ANOTHER TYPE OF GEAR. DAYS FISHED IS THE TIME ACTUAL FISHING OPERATIONS WERE CARRIED ON, EXPRESSED TO THE NEAREST TENTH OF A DAY. TO OBTAIN FISHING TIME IN HOURS, MULTIPLY NUMBER OF DAYS FISHED BY 24.

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1961

AREA AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GULF OF ST. LAWRENCE (AREA XIX), EAST GULF ST. LAWRENCE	2	0.7	10	2.0	-	-	-	-	-	-	-
OFF GRAND BANK (AREA XX):											
SOUTHEAST GRAND BANK	1	0.5	6	1.5	-	-	-	-	-	-	-
SOUTHWEST GRAND BANK	6	17.8	266	48.7	473	-	-	350	369	-	-
ST. PIERRE BANK	6	1.8	28	7.0	-	-	-	-	-	-	-
TOTAL	1/6	20.1	300	57.2	473	-	-	350	369	-	-
OFF NOVA SCOTIA (AREA XXI):											
NORTHEAST CAPE BRETON	15	31.4	415	119.9	924	4,542	-	100	2,721	-	-
MISAINE BANK	5	6.3	69	16.7	1,050	760	-	140	91	-	-
BANQUEREAU	16	25.4	297	88.7	852	2,800	-	400	2,778	-	-
CANSO	18	33.3	415	110.3	1,700	19,784	3,750	586	162,569	-	-
MIDDLE GROUND	6	4.0	56	14.7	145	4,810	-	75	31,046	-	-
HORSESHOE GROUND	20	23.5	282	72.3	1,836	2,452	-	926	6,657	-	-
EASTERN NOVA SCOTIA	13	20.8	261	68.8	1,112	2,765	-	1,266	2,990	-	-
EMERALD BANK	11	4.8	51	13.3	295	1,232	-	506	-	-	-
CENTRAL NOVA SCOTIA	25	65.9	817	204.1	5,266	13,000	70	7,349	6,592	-	-
EAST BROWNS AND LA HAVE	65	112.8	1,006	544.4	217,257	529,776	88,767	110,057	7,527	1,620	3,550
SOUTHERN NOVA SCOTIA	57	85.1	778	307.8	90,521	197,921	28,390	22,319	15,416	320	5,050
WESTERN BROWNS	57	102.5	872	588.6	328,868	524,281	95,308	67,234	3,265	2,700	15,150
WESTERN NOVA SCOTIA	8	6.5	45	16.1	597	1,598	408	5,619	607	-	-
SOUTHERN BAY OF FUNDY	8	3.9	30	17.8	13,600	15,000	10,800	150	1,250	-	-
NORTHERN BAY OF FUNDY	14	20.0	161	92.4	43,715	67,130	35,640	4,746	5,677	75	135
TOTAL	1/89	546.2	5,555	2,275.9	707,738	1,387,851	263,133	221,475	249,366	4,715	23,885
NEW ENGLAND (AREA XXII):											
EASTERN MAINE	10	7.5	63	26.6	10,400	17,970	9,650	4,335	3,120	-	-
CENTRAL MAINE	1	1.0	7	1.2	-	600	250	-	835	-	-
WESTERN MAINE	62	553.7	908	551.1	186,423	229,597	69,782	82,159	238,721	160	14,272
EASTERN MASSACHUSETTS	361	13,873.9	14,379	7,312.9	1,373,443	1,640,828	302,346	177,263	338,309	13,960	2,681,804
INNER GROUNDS	57	208.4	761	404.5	72,175	92,717	18,140	208,760	42,398	335	1,150
WEST SIDE SOUTH CHANNEL	345	4,328.3	9,264	5,684.0	2,071,549	3,658,150	731,864	149,010	363,440	243,917	1,462,542
EAST SIDE SOUTH CHANNEL	233	1,038.0	5,928	3,850.5	855,787	1,199,875	312,809	148,225	315,821	439,905	1,612,607
NORTHERN EDGE OF GEORGES	152	947.8	7,402	5,022.8	2,695,402	4,458,601	2,447,885	123,720	24,397	332,981	277,005
CENTRAL AND SOUTHEAST GEORGES	175	926.4	7,051	4,667.3	1,474,914	1,793,785	597,465	15,975	49,550	1,017,569	6,742,589
SOUTHWEST GEORGES	143	392.1	3,006	2,110.9	106,368	331,828	87,060	6,475	65,190	103,246	732,436
NANTUCKET SHOALS AND LIGHTSHIP	221	1,505.9	7,177	4,575.5	295,303	2,033,374	131,298	-	233,140	240,711	12,738,900
OFF NO MANS LAND	154	1,087.3	3,059	1,880.9	25,163	83,555	2,920	-	20,180	1,045	7,298,882
SOUTHERN MASSACHUSETTS	77	381.3	738	403.0	445	23,235	50	-	1,210	8,476	41,570
RHODE ISLAND SHORE	31	67.1	253	149.5	14,285	14,220	-	-	5,445	-	591,578
TOTAL	1/711	25,318.7	59,996	36,640.7	9,181,657	15,576,335	4,711,519	915,922	1,701,756	2,402,305	34,195,335
MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND	69	155.3	937	607.1	3,930	9,620	-	-	35,865	850	447,712
GRAND TOTAL	1/712	26,041.0	66,798	39,582.9	9,893,798	16,975,826	4,974,652	1,137,747	1,987,416	2,407,870	34,666,932

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1961 - Continued

AREA AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	WHITE, DRESSED				
							LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OFF GRAND BANK (AREA XX):											
SOUTHWEST GRAND BANK	-	-	-	88	185	-	-	420	5,330	-	-
ST. PIERRE BANK	-	-	-	-	-	-	-	-	616	-	-
TOTAL	-	-	-	88	185	-	-	420	5,946	-	-
OFF NOVA SCOTIA (AREA XXI):											
NORTHEAST CAPE BRETON	-	520	-	1,391	746	-	190	88	561	-	-
MISAINE BANK	-	-	-	50	90	-	-	-	486	-	-
BANQUEREAU	-	1,823	-	933	1,187	-	555	15	2,733	-	-
CANSO	-	31,850	-	2,927	5,147	-	575	128	256	-	-
MIDDLE GROUND	-	3,300	-	450	174	-	-	291	770	-	-
HORSESHOE GROUND	-	213	-	3,188	3,330	-	1,663	65	3,063	90	-
EASTERN NOVA SCOTIA	-	293	-	3,351	7,647	-	1,180	706	2,003	-	-
EMERALD BANK	-	10	-	400	1,219	-	198	25	591	-	-
CENTRAL NOVA SCOTIA	-	1,825	-	6,721	19,880	-	3,025	2,501	6,508	-	-
EAST BROWNS AND LA HAVE	1,800	34,140	500	2,979,245	4,315,527	53,900	38,066	1,727	27,418	-	-
SOUTHERN NOVA SCOTIA	320	15,128	-	770,225	969,776	-	19,177	4,164	8,381	10	-
WESTERN BROWNS	3,800	35,604	-	3,442,323	4,451,716	-	39,517	1,560	17,489	-	-
WESTERN NOVA SCOTIA	303	1,310	-	13,890	15,014	-	1,885	5,899	98	-	-
SOUTHERN BAY OF FUNDY	-	1,125	-	55,300	49,450	-	34,450	-	-	-	-
NORTHERN BAY OF FUNDY	1,238	3,783	-	281,348	339,438	-	56,310	4,512	1,093	-	-
TOTAL	7,461	130,924	500	7,561,742	10,180,341	53,900	196,791	21,681	71,450	100	-
NEW ENGLAND (AREA XXII):											
EASTERN MAINE	530	2,830	-	48,055	53,390	-	35,590	4,600	55	-	-
CENTRAL MAINE	-	310	-	625	1,750	-	6,740	765	-	-	-
WESTERN MAINE	5,661	172,974	440	1,058,614	928,448	40,995	108,817	80,290	4,707	-	-
EASTERN MASSACHUSETTS	2,163,230	674,445	20,957	2,234,868	2,536,197	3,968,335	155,200	181,870	12,673	1,055,063	445,310
INNER GROUNDS	529	29,325	-	701,757	269,165	-	67,105	21,438	7,398	-	-
WEST SIDE SOUTH CHANNEL	2,883,520	372,969	99,908	10,040,677	14,171,247	2,086,430	443,305	63,449	38,008	554,153	31,029
EAST SIDE SOUTH CHANNEL	458,432	1,047,642	4,350	10,960,245	8,123,247	940,165	262,191	44,859	16,811	100	-
NORTHERN EDGE OF GEORGES	299,653	143,236	1,170	7,356,933	15,268,916	1,000	32,190	1,045	16,692	-	-
CENTRAL AND SOUTHEAST	923,003	173,514	6,645	6,108,124	10,012,120	-	16,110	45	7,833	-	-
SOUTHWEST GEORGES	105,778	30,143	133,673	2,144,301	1,849,236	-	2,550	-	2,788	-	-
NANTUCKET SHOALS AND LIGHTSHIP	3,678,265	12,981	1,878,634	998,747	1,780,759	250	2,400	8,225	1,515	-	-
OFF NO MANS LAND	725,516	255	937,537	7,060	8,170	55,000	115	330	150	-	2,799,440
SOUTHERN MASSACHUSETTS	624,380	360	524,054	2,790	1,415	-	-	-	58	-	48,600
RHODE ISLAND SHORE	25,490	-	455	795	55	-	-	-	-	525	38,260
TOTAL	11,893,987	2,660,984	3,607,823	41,663,591	55,004,115	7,092,175	1,132,313	406,916	108,688	1,609,841	3,362,639
MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND	21,922	-	1,601,817	1,800	665	-	-	2,370	-	-	-
GRAND TOTAL	11,923,370	2,791,908	5,210,140	49,227,221	65,185,306	7,146,075	1,329,104	431,387	186,084	1,609,941	3,362,639

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1961 - Continued

AREA AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORDFISH, DRESSED	WHITING		WOLFFISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GULF OF ST. LAWRENCE (AREA XIX), EAST GULF ST. LAWRENCE	117,700	-	-	-	-	-	-	-	-	117,700
OFF GRAND BANK (AREA XX):										
SOUTHEAST GRAND BANK	85,000	-	-	-	-	-	-	-	-	85,000
SOUTHWEST GRAND BANK	3,155,640	788	-	-	-	-	263	-	162	3,164,088
ST. PIERRE BANK	329,690	-	-	-	-	-	-	-	162	330,468
TOTAL	3,570,330	788	-	-	-	-	263	-	324	3,579,556
OFF NOVA SCOTIA (AREA XXI):										
NORTHEAST CAPE BRETON	5,413,779	1,833	-	-	-	-	84	-	324	5,427,803
MISAINE BANK	997,000	135	-	230	-	-	-	-	-	1,000,052
BANQUEREAU	3,785,506	17,550	-	-	-	-	227	-	-	3,817,359
CANSO	5,267,909	10,036	-	-	-	-	16	-	-	5,507,233
MIDDLE GROUND	579,400	878	-	-	-	-	54	-	-	621,393
HORSESHOE GROUND	3,556,687	87,432	-	-	-	-	352	-	81	3,668,035
EASTERN NOVA SCOTIA	3,452,376	13,970	-	-	-	-	317	-	-	3,489,976
EMERALD BANK	741,435	8,516	-	-	-	-	-	-	-	754,427
CENTRAL NOVA SCOTIA	9,620,113	41,456	-	-	-	-	511	-	-	9,734,817
EAST BROWNS AND LA HAVE	2,329,845	1,010,084	-	-	-	1,610	32,953	-	1,529	11,786,898
SOUTHERN NOVA SCOTIA	5,120,663	1,546,596	-	-	100	230	20,727	-	5,884	8,841,318
WESTERN BROWNS	59,410	920,217	-	-	225	460	74,343	-	498	10,083,968
WESTERN NOVA SCOTIA	351,380	6,780	-	-	-	220	63	-	100	405,771
SOUTHERN BAY OF FUNDY	3,400	10,800	-	-	-	-	450	-	8,000	203,775
NORTHERN BAY OF FUNDY	37,520	163,827	-	-	1,820	300	2,108	-	9,668	1,060,285
TOTAL	41,316,423	3,840,110	-	230	2,145	2,820	132,205	-	26,084	66,403,110
NEW ENGLAND (AREA XXII):										
EASTERN MAINE	152,050	9,900	-	-	-	-	815	-	-	353,290
CENTRAL MAINE	-	7,060	-	-	-	-	-	-	-	18,935
WESTERN MAINE	1,637,102	957,442	-	-	4,313	3,629,576	22,805	-	420,860	9,894,158
EASTERN MASSACHUSETTS	698,660	5,100,041	7,885	-	3,487,269	32,741,916	48,385	128,685	32,142,910	94,331,852
INNER GROUNDS	3,853,090	287,109	-	-	-	15,840	2,933	-	4,020	5,695,384
WEST SIDE SOUTH CHANNEL	1,604,282	1,885,878	10,307	-	114,505	15,258,032	59,990	1,158,377	1,251,386	60,807,924
EAST SIDE SOUTH CHANNEL	1,738,915	1,545,349	-	-	57,035	13,209,590	28,909	1,936,629	450,219	45,709,717
NORTHERN EDGE OF GEORGES	7,220	2,052,003	-	28,731	-	81,000	134,809	7,874,206	3,403	43,662,198
CENTRAL AND SOUTHEAST GEORGES	14,250	240,179	400	3,225	1,200	-	23,695	4,974,996	2,934	34,200,120
SOUTHWEST GEORGES	2,200	102,240	-	-	-	-	22,530	3,617,170	5,720	9,450,932
NANTUCKET SHOALS AND LIGHTSHIP	400	9,690	39,295	290,032	250	2,970,484	15,880	1,311,634	619,652	29,291,819
OFF NO MANS LAND	-	400	230,580	146,237	-	-	-	-	10,803,252	23,145,787
SOUTHERN MASSACHUSETTS	-	5	727,680	-	-	-	-	-	88,838	2,093,366
RHODE ISLAND SHORE	-	-	-	-	-	-	-	18,438	-	709,546
TOTAL	9,708,169	12,197,296	1,016,147	468,225	3,664,572	67,906,438	360,751	21,020,135	45,793,194	359,365,028
MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND	-	615	18,260	-	-	-	-	14,092	18,730	2,178,268
GRAND TOTAL	54,712,622	16,038,809	1,034,407	468,455	3,666,717	67,909,258	493,219	21,034,227	45,838,332	431,643,662

[illegible] OF DUPLICATION.

SECTION 3 - MIDDLE ATLANTIC FISHERIES

The 1961 commercial landings of fish and shellfish in the coastal areas of the Middle Atlantic States (New York, New Jersey, and Delaware) amounted to 825 million pounds valued at $24 million to the fishermen. Compared with the previous year, this was an increase of 42 million pounds (5 percent) and $2 million (10 percent). The gain in volume was due to increased landings of menhaden while menhaden and oysters accounted for the higher value.

A comparison of landings by States shows that New Jersey led with 48 percent of the total volume for the Middle Atlantic States. Delaware was second, with 37 percent, while New York accounted for the remaining 15 percent. The ranking by value of landings was: New Jersey, 46 percent, New York, 38, and Delaware, 16 percent.

During the year, 8,559 fishermen participated in making the catch. These fishermen utilized 602 vessels and 4,123 other craft--a decrease of 19 vessels, but an increase of 227 fishermen compared with 1960. The additional fishermen were employed in the shore and boat fishery.

Manufactured fishery products were valued at $92 million--$11 million more than the 1960 production. In terms of value, this was a record year, due primarily to an increase in the production of menhaden products, breaded products, and canned fishery items.

Increased landings of oysters were recorded for the first time since 1950. In that year, 18.2 million pounds of meats were landed in the Middle Atlantic States. Since then, declines have been registered each year, until 1961, when landings totaled 1.9 million pounds of meats, or an increase of 66 percent over 1960. Among the many factors that contributed to the decline were poor sets, starfish depredation in Long Island Sound, a general shortage of seed oysters; and, beginning in 1957, a severe blight of Delaware Bay oysters from an organism commonly referred to as MSX. The Delaware Bay seed oyster beds, which were legally closed in 1959 as a protective measure, were reopened in 1961. Bay plantings prospered, and there was optimism that MSX may have run its course. The catch of 1 million pounds from the Bay was a direct result of renewed seed plantings.

The production of surf clams in the Middle Atlantic States (27.4 million pounds of meats) increased 2.8 million pounds and set a record for the third consecutive year. New Jersey vessels accounted for 97 percent of the landings, and the new record is attributed to the addition of four vessels to the surf clam fleet. This is an example of a fishery which has been completely market-controlled as supply problems have not yet arisen. Because market acceptance increases each year, greater demands will be made of the fishing grounds, and studies are now being considered to determine the catch potential.

While the overall production of hard clams declined only about 5 percent, the catch in New Jersey was adversely affected by the occurrence of hepatitis among the local population. Early in the season, an outbreak of infectious hepatitis was linked to clams as a possible source of infection. Several important producing areas of New Jersey were closed by the shellfish sanitation agency, and market acceptance of clams from adjoining areas was limited. The New Jersey clam production fell 34 percent as a result of these factors. New York clams weathered the hepatitis scare and by year's end, production was up 10 percent.

Landings of hard crabs decreased 2 million pounds to the lowest level since 1945. Crabs were small in size, and the price was very low. Pot fishermen had to delay the season until crabs reached a marketable size, and the dredgers who operated during the winter months found fishing unprofitable and ceased operations within a week or two.

MIDDLE ATLANTIC FISHERIES

During the year, a small dehydration plant was set up to produce meal from horseshoe crabs, which were gathered by hand along the beaches where they were found in large numbers after storms. This supplied work for some unemployed oystermen. Unfortunately, the operation had little more than started when the plant was destroyed by fire. However, enough crabs were harvested to nearly double the 1960 landings of this species.

Menhaden accounted for 87 percent of the total volume and 33 percent of the value of Middle Atlantic landings in 1961. Although clam meats were only 4 percent of the volume of the landings, they were 22 percent of the value.

Sea bass production declined nearly 1 million pounds (34 percent) to the lowest level recorded since 1921. This fishery has been on the downgrade in recent years presumably because of a failure of year-classes.

Striped bass were abundant in all areas. New York, the best producing State of the Middle Atlantic, had the highest commercial catch (910,000 pounds) ever recorded for the State. The fish were mostly of a single year-class which entered the fishery during the year. Haul seines took the greatest quantities, but inshore trawlers also caught an unusual number.

A sharp increase in the catch of yellowtail flounders was primarily attributed to the expansion of processing and landing facilities on Long Island. These facilities are within a short distance of the most important fishing grounds for this species.

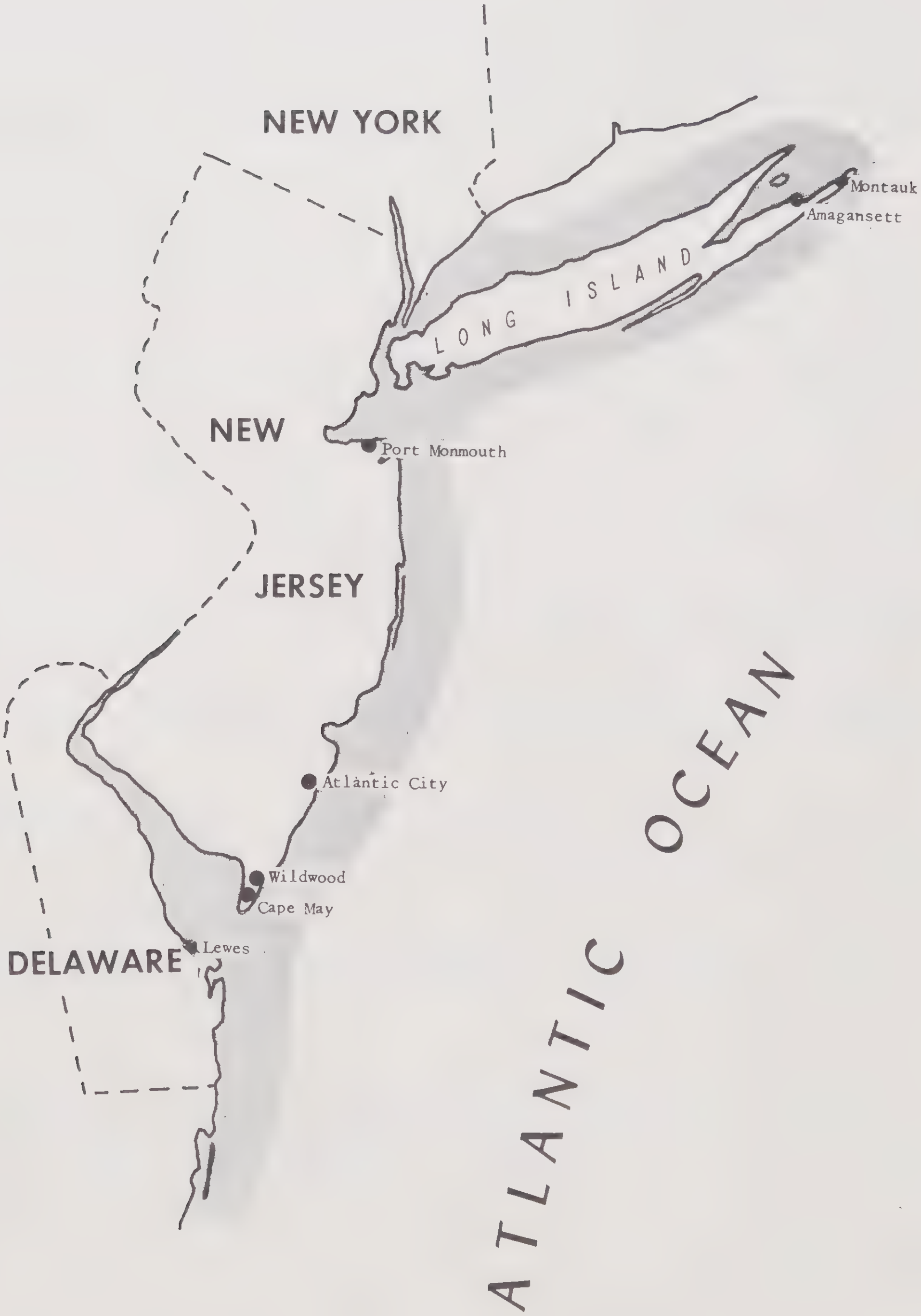
Cod landings dropped considerably due to the freezing over of New Jersey harbors for a period of 2 weeks during the peak of the season. Also, the fish were less abundant and found in areas farther offshore than the previous year, thus limiting the line trawlers' fishing time.

The world fish meal market became more stable in 1961, and prices edged upward. This brought the return of normal fishing effort to the industry and was responsible for a 44-million-pound increase in landings of menhaden over 1960.

An act of the New York legislature provided for the appointment of an Assistant Director of the Fish and Game Department in charge of marine fisheries, and directs that a Marine Fisheries Advisory Committee be formed. The bill is to provide the framework within which stronger State fisheries programs can be developed.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The New York Conservation Department; the Division of Fish and Game and the Division of Shell Fisheries of the New Jersey Department of Conservation and Economic Development; and the University of Delaware Marine Research Laboratory and the Delaware Commission of Shell Fisheries.

Condensed summary data of the operating units and catch by States in the Middle Atlantic area appearing on the following pages have been previously published in Current Fishery Statistics bulletin No. 2987. Seasonal variation in the catch of fish and shellfish in the New York Marine District, and in New Jersey, can be ascertained from monthly and annual landing bulletins issued for these States in cooperation with the fishing agency of each State. Additional data on many aspects of the Middle Atlantic fisheries may be found in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, 155 John Street, New York 38, New York.


NEW YORK
Montauk
Amagansett
LONG ISLAND
NEW
JERSEY
Port Monmouth
Atlantic City
Wildwood
Cape May
DELAWARE
Lewes
ATLANTIC OCEAN

MIDDLE ATLANTIC STATES

MIDDLE ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW YORK	112	3	12	6	124	9
NEW JERSEY	363	7	34	4	397	11
DELAWARE	303	4	1	(1)	304	4
TOTAL	778	14	47	10	825	24

1/ LESS THAN $500,000.

SUMMARY OF OPERATING UNITS, 1961

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	992	1,853	413	3,021
ON BOATS AND SHORE:				
REGULAR	956	784	101	1,841
CASUAL	2,029	1,401	267	3,697
TOTAL	3,977	4,038	781	8,559
VESSELS, MOTOR	229	376	43	602
GROSS TONNAGE	11,174	17,514	4,685	31,159
BOATS:				
MOTOR	1,870	1,466	340	3,676
OTHER	79	331	37	447
GEAR:				
HAUL SEINES, COMMON	41	22	6	69
LENGTH, YARDS	11,658	2,502	2,080	16,240
STOP SEINES	-	5	-	5
LENGTH, YARDS	-	2,400	-	2,400
PURSE SEINES:				
MENHADEN	10	27	21	58
LENGTH, YARDS	4,360	10,390	7,320	22,070
OTHER	-	18	-	18
LENGTH, YARDS	-	6,710	-	6,710
BEAM TRAWLS	-	9	-	9
YARDS AT MOUTH	-	26	-	26
OTTER TRAWLS:				
FISH	155	182	5	317
YARDS AT MOUTH	3,373	4,270	113	7,149
LOBSTER	-	41	-	41
YARDS AT MOUTH	-	1,177	-	1,177
WEIRS	-	5	-	5
POUND NETS, FISH	120	52	-	158
FYKE AND HOOP NETS:				
FISH	117	39	71	227
TURTLE	-	-	167	167
POTS AND TRAPS:				
CONCH	50	-	-	50
CRAB	-	2,070	3,510	5,580
EEL	862	371	125	1,358
FISH	400	14,980	-	15,380
LOBSTER	6,590	3,973	-	10,563
TURTLE	-	120	-	120
GILL NETS:				
ANCHOR, SET OR STAKE	110	47	30	187
SQUARE YARDS	110,672	100,082	52,500	263,254
DRIFT:				
SHAD	47	16	-	63
SQUARE YARDS	126,323	26,665	-	152,988
OTHER	7	55	15	75
SQUARE YARDS	26,427	440,006	10,600	463,633
RUNAROUND	10	20	-	30
SQUARE YARDS	17,700	104,300	-	122,000
LINES:				
HAND	575	91	-	666
HOOKS	800	91	-	891
TROLL	-	130	-	130
HOOKS	-	131	-	131
LONG OR SET WITH HOOKS	60	107	2	169
HOOKS	39,500	281,050	3,000	323,550
TROT WITH BAITS	-	12	-	12
BAITS	-	5,400	-	5,400

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:				
PUSH NETS	-	12	-	12
HARPOONS	6	4	-	10
SPEARS	24	4	-	28
DREDGES:				
CLAM	30	65	20	115
YARDS AT MOUTH	22	80	32	134
CRAB	1	56	7	64
YARDS AT MOUTH	2	106	14	122
OYSTER, COMMON	31	74	8	113
YARDS AT MOUTH	44	73	11	128
SCALLOP	2,094	112	-	2,186
YARDS AT MOUTH	2,179	178	-	2,288
TONGS:				
OYSTER	2	164	-	166
OTHER	1,640	1,144	115	2,899
RAKES	940	834	158	1,932
HOES	-	50	-	50
HOOKS	-	-	1	1

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	34	1	17	1	(1)	(1)	51	2
AMBERJACK	-	-	1	(1)	-	-	1	(1)
ANGLERFISH	17	1	6	(1)	-	-	23	1
BLUEFISH	505	105	462	89	-	-	967	194
BONITO	27	3	41	5	-	-	68	8
BULLHEADS	1	(1)	-	-	-	-	1	(1)
BUTTERFISH	1,686	180	2,358	157	3	(1)	4,047	337
CARP	7	(1)	233	12	4	(1)	244	12
CATFISH	19	2	11	1	1	(1)	31	3
COD	1,166	104	2,405	233	32	3	3,603	340
CROAKER	-	-	57	15	-	-	57	15
DRUM, BLACK	-	-	2	(1)	(1)	(1)	2	(1)
EELS:								
COMMON	213	29	30	6	6	1	249	36
CONGER	4	(1)	5	(1)	-	-	9	(1)
FLOUNDERS:								
BLACKBACK	1,695	109	152	10	20	1	1,867	120
DAB	(1)	(1)	-	-	-	-	(1)	(1)
FLUKE	2,324	459	6,031	953	76	11	8,431	1,423
GRAY SOLE	7	1	49	3	-	-	56	4
LEMON SOLE	-	-	1	(1)	-	-	1	(1)
YELLOWTAIL	2,047	153	171	1	-	-	2,218	154
TOTAL FLOUNDERS	6,073	722	6,404	967	96	12	12,573	1,701
GRUNTS	-	-	1	(1)	-	-	1	(1)
HADDOCK	60	6	1	(1)	-	-	61	6
HAKE:								
RED	457	13	1,062	22	-	-	1,519	35
WHITE	1	(1)	101	5	-	-	102	5
HERRING, SEA	164	2	212	4	-	-	376	6
KING WHITING OR "KINGFISH"	3	1	21	2	3	1	27	4
MACKEREL	79	15	251	39	-	-	330	54
MENHADEN	84,068	949	328,208	3,625	302,773	3,356	715,049	7,930
MINNOWS	-	-	-	-	1	1	1	1
MULLET	-	-	18	4	2	(1)	20	4
POLLOCK	6	(1)	1	(1)	-	-	7	(1)
SCUP OR PORGY	12,055	874	13,687	916	-	-	25,742	1,790
SEA BASS	313	77	1,497	273	-	-	1,810	350
SEA ROBIN	6	(1)	3	(1)	-	-	9	(1)
SEA TROUT OR WEAKFISH, GRAY	53	10	418	47	134	24	605	81
SHAD	303	46	633	110	90	13	1,026	169
SHARKS:								
GRAYFISH	64	3	6	(1)	-	-	70	3
UNCLASSIFIED	3	(1)	7	(1)	-	-	10	(1)
TOTAL SHARKS	67	3	13	(1)	-	-	80	3

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SHEEPSHEAD, SALT-WATER	-	-	(1)	(1)	-	-	(1)	(1)
SILVERSIDES	189	20	-	-	-	-	189	20
SKATES	31	1	2	(1)	-	-	33	1
STRIPED BASS	910	148	276	49	66	12	1,252	209
STURGEON	9	2	16	3	-	-	25	5
SUCKERS	1	(1)	-	-	-	-	1	(1)
SUNFISH	(1)	(1)	-	-	-	-	(1)	(1)
SWELLFISH	492	17	74	4	-	-	566	21
SWORDFISH	49	22	23	12	-	-	72	34
TAUTOG	12	1	34	1	-	-	46	2
TILEFISH	102	13	82	6	-	-	184	19
TOMCOD	1	(1)	-	-	-	-	1	(1)
TUNA:								
BLUEFIN	12	2	3	(1)	-	-	15	2
LITTLE	1	(1)	1	(1)	-	-	2	(1)
TOTAL TUNA	13	2	4	(1)	-	-	17	2
WHITE PERCH	15	2	74	10	27	2	116	14
WHITING	2,628	113	3,680	122	(1)	(1)	6,308	235
YELLOW PERCH	(1)	(1)	-	-	-	-	(1)	(1)
UNCLASSIFIED:								
FOR FOOD	285	28	20	1	-	-	305	29
BAIT, REDUCTION, AND ANIMAL FOOD	397	4	152	2	-	-	549	6
TOTAL FISH	112,521	3,516	362,596	6,743	303,238	3,425	778,355	13,684
SHELLFISH, ETC.								
CRABS:								
BLUE:								
HARD	1	(1)	646	67	759	52	1,406	119
SOFT AND PEELER	-	-	57	11	54	15	111	26
ROCK	-	-	44	2	-	-	44	2
TOTAL CRABS	1	(1)	747	80	813	67	1,561	147
HORSESHOE CRABS	-	-	1,110	8	-	-	1,110	8
LOBSTERS, NORTHERN	502	228	1,549	570	-	-	2,051	798
SHRIMP	-	-	6	6	-	-	6	6
CLAMS:								
HARD:								
PUBLIC	2,786	1,619	1,666	723	251	108	4,703	2,450
PRIVATE	1,505	874	21	9	331	124	1,857	1,007
RAZOR	14	3	-	-	-	-	14	3
SOFT, PUBLIC	143	38	21	9	-	-	164	47
SURF	722	65	26,697	1,693	-	-	27,419	1,758
TOTAL CLAMS	5,170	2,599	28,405	2,434	582	232	34,157	5,265
CONCHS	14	2	210	28	-	-	224	30
MUSSELS, SEA	18	2	-	-	-	-	18	2
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	8	9	-	-	8	9
FALL	-	-	5	6	-	-	5	6
PRIVATE:								
SPRING	309	377	48	50	14	7	371	434
FALL	479	692	1,039	869	19	11	1,537	1,572
TOTAL OYSTERS	788	1,069	1,100	934	33	18	1,921	2,021
SCALLOPS:								
BAY	791	555	71	66	-	-	862	621
SEA	3,020	1,117	348	121	-	-	3,368	1,238
SQUID	1,186	89	580	38	-	-	1,766	127
TERRAPIN	-	-	2	1	-	-	2	1
TURTLES:								
LOGGERHEAD	-	-	1	(1)	-	-	1	(1)
SNAPPER	-	-	26	3	14	1	40	4
UNCLASSIFIED	-	-	1	(1)	-	-	1	(1)
TOTAL SHELLFISH, ETC.	11,490	5,661	34,156	4,289	1,442	318	47,088	10,268
GRAND TOTAL	124,011	9,177	396,752	11,032	304,680	3,743	825,443	23,952

1/ LESS THAN 500 POUNDS OR $500.

CATCH OF CERTAIN SHELLFISH, 1961

(NUMBER AND BUSHELS)

SPECIES		NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:									
BLUE:									
HARD.	NUMBER	3,120	$152	1,292,800	$67,034	1,822,560	$51,718	3,118,480	$118,904
SOFT AND PEELER	DO	-	-	195,853	11,416	214,800	14,428	410,653	25,844
ROCK.	DO	-	-	132,600	1,841	-	-	132,600	1,841
HORSESHOE CRABS	DO	-	-	277,500	8,326	-	-	277,500	8,326
CLAMS:									
HARD:	U. S. STANDARD BUSHELS								
PUBLIC.		232,175	1,618,944	166,620	723,529	31,412	107,670	430,207	2,450,143
PRIVATE	DO	125,383	874,310	2,130	9,072	41,362	124,080	168,875	1,007,462
RAZOR	DO	856	2,690	-	-	-	-	856	2,690
SOFT, PUBLIC.	DO	8,950	37,844	1,783	8,925	-	-	10,733	46,769
SURF.	DO	42,482	64,379	1,570,424	1,693,177	-	-	1,612,906	1,757,556
CONCHS.	DO	920	2,061	10,505	27,800	-	-	11,425	29,861
MUSSELS, SEA.	DO	1,800	2,295	-	-	-	-	1,800	2,295
OYSTERS, MARKET:									
PUBLIC:									
SPRING.	DO	-	-	1,250	8,743	-	-	1,250	8,743
FALL.	DO	-	-	883	6,188	-	-	883	6,188
PRIVATE:									
SPRING.	DO	41,160	376,857	7,476	49,782	1,830	7,458	50,466	434,097
FALL.	DO	63,920	691,594	135,760	868,731	2,582	11,333	202,262	1,571,658
SCALLOPS:									
BAY	DO	131,850	554,669	9,440	66,494	-	-	141,290	621,163
SEA	DO	503,400	1,116,830	57,950	120,901	-	-	561,350	1,237,731

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1961

SPECIES		NEW YORK	NEW JERSEY	DELAWARE
		QUANTITY	QUANTITY	QUANTITY
CRABS:				
BLUE:				
HARD.	NUMBER PER POUND	2.40	2.00	2.40
SOFT AND PEELER	DO	-	3.43	4.00
ROCK.	DO	-	3.00	-
HORSESHOE CRABS	POUNDS PER CRAB	-	4.00	-
CLAMS:				
HARD:	LBS. MEATS PER U.S. STANDARD BUSHEL			
PUBLIC.		12.00	10.00	8.00
PRIVATE	DO	12.00	10.00	8.00
RAZOR	DO	16.00	-	-
SOFT, PUBLIC.	DO	16.00	12.00	-
SURF.	DO	17.00	17.00	-
CONCHS.	DO	15.00	20.00	-
MUSSELS, SEA.	DO	10.00	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	DO	-	6.00	-
FALL.	DO	-	6.00	-
PRIVATE:				
SPRING.	DO	7.50	6.42	7.65
FALL.	DO	7.50	7.66	7.32
SCALLOPS:				
BAY	DO	6.00	7.50	-
SEA	DO	6.00	6.00	-

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		NEW YORK		NEW JERSEY		DELAWARE AND PENNSYLVANIA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUTTERFISH, SMOKED.	POUNDS	307,000	$208,150	(1)	(1)	(1)	(1)
CARP, SMOKED.	DO	56,900	58,350	(1)	(1)	(1)	(1)
CHUBS, SMOKED	DO	2,876,500	1,959,400	(1)	(1)	(1)	(1)
COD FILLETS, FRESH.	DO	2,408,828	1,059,345	623,400	$225,430	(1)	(1)
EELS, COMMON, SMOKED. . . .	DO	155,500	118,300	(1)	(1)	(1)	(1)
FLOUNDER FILLETS, FRESH AND FROZEN	DO	3,358,572	2,112,099	675,580	424,903	312,300	$148,320
HADDOCK FILLETS, FRESH. . .	DO	901,900	409,924	460,500	204,200	(1)	(1)
HAKE FILLETS, FRESH	DO	37,000	11,100	(1)	(1)	-	-
HERRING, SEA, CURED:							
SALTED (INCLUDING BRINED AND SPECIALTY PACKS) . .	DO	952,606	805,308	-	-	(1)	(1)
SMOKED (INCLUDING KIPPERED).	DO	29,650	12,510	-	-	(1)	(1)
LAKE TROUT, SMOKED.	DO	42,000	34,500	-	-	(1)	(1)
MACKEREL FILLETS, SALTED. .	DO	-	-	-	-	480,640	199,772
PADDLEFISH OR SPOONBILL CAT, SMOKED.	DO	23,000	25,200	-	-	-	-
SABLEFISH, SMOKED	DO	1,502,500	1,133,000	(1)	(1)	(1)	(1)
SALMON:							
SMOKED.	DO	6,113,750	9,689,975	980,000	1,493,750	(1)	(1)
KIPPERED.	DO	849,000	1,186,300	-	-	-	-
CAVIAR, CANNED.	STANDARD CASES	4,568	297,075	-	-	-	-
SHAD, SMOKED.	POUNDS	18,000	8,650	(1)	(1)	(1)	(1)
STURGEON, SMOKED.	DO	1,296,800	3,371,650	(1)	(1)	(1)	(1)
WHITEFISH, SMOKED	DO	2,022,000	1,738,800	(1)	(1)	(1)	(1)
WHITING, SMOKED	DO	167,000	89,650	125,000	52,600	-	-
SHRIMP, FRESH AND FROZEN, PACKAGED:							
NOT BREADED AND BREADED .	DO	1,589,236	1,186,665	(1)	(1)	(1)	(1)
COCKTAIL, WITH SAUCE (REFRIGERATED)	DO	794,494	725,270	(1)	(1)	(1)	(1)
SPECIALTIES	DO	64,084	48,031	(1)	(1)	-	-
CLAMS, SURF AND HARD, SHUCKED (WHOLE AND MINCED)	GALLONS	168,936	410,558	1,268,552	2,067,181	4,287	21,435
OYSTERS, SHUCKED.	DO	(1)	(1)	96,139	889,286	165,795	1,347,789
SCALLOPS:							
BAY, SHUCKED.	DO	90,415	554,669	7,866	66,494	-	-
SEA, BREADED.	POUNDS	848,760	458,004	(1)	(1)	(1)	(1)
UNCLASSIFIED PRODUCTS:							
FRESH AND FROZEN, PACKAGED:							
FISH AND SHELLFISH:							
NOT BREADED	DO	2/330,942	2/207,348	3/55,250	3/28,522	4/340,518	4/119,844
BREADED	DO	5/1,883,211	5/764,690	6/1,369,595	6/1,053,648	7/12,096,324	7/7,505,778
SPECIALTIES	DO	8/2,029,469	8/747,471	9/5,831,957	9/5,419,295	10/5,546,594	10/3,964,237
CANNED FISH AND SHELLFISH	STANDARD CASES	11/262,175	11/3,863,265	12/1,162,072	12/2,218,757	13/417,395	13/3,433,566
MISCELLANEOUS	-	-	14/1,940,286	-	15/8,071,028	-	16/7,598,971
TOTAL	-	-	35,235,543	-	32,215,094	-	24,339,712

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FRESH POLLOCK FILLETS AND SHUCKED OYSTERS; FROZEN COD AND HADDOCK BUTTERED STEAKS, UNCLASSIFIED FILLETS, PORTIONS, NORTHERN LOBSTER MEAT, BUTTERED SPINY LOBSTER TAILS, CONCH MEAT, AND SQUID. 3/ INCLUDES FRESH HAKE AND POLLOCK FILLETS, FROZEN WHITE PERCH FILLETS, UNCLASSIFIED FILLETS, PORTIONS, AND LOBSTER MEAT. 4/ INCLUDES FRESH COD, HADDOCK, AND SHAD FILLETS; AND PORTIONS. 5/ INCLUDES FROZEN BREADED FILLETS, PORTIONS, STICKS, AND OYSTERS. 6/ INCLUDES FROZEN BREADED FILLETS, PORTIONS, STICKS, SOFT SHELL CRABS, SHRIMP, CLAMS, OYSTERS, AND SEA SCALLOPS. 7/ INCLUDES FROZEN BREADED PORTIONS, STICKS, SHRIMP, OYSTERS, AND SEA SCALLOPS. 8/ INCLUDES FROZEN COD CAKES, STUFFED HADDOCK, HADDOCK WITH SAUCE, HALIBUT WITH SAUCE, TUNA AND NOODLES, TUNA PIES, FISH DINNERS, FISH BURGERS, CRAB CAKES, LOBSTER MEAT IN SAUCE, CLAM CAKES, CLAM CHOWDER, CLAMS IN SAUCE, CONCH MEAT IN SAUCE, SCALLOPS IN SAUCE, SQUID IN SAUCE, AND SHELLFISH DINNERS. 9/ INCLUDES FROZEN COD CAKES, STUFFED FLOUNDER, CRAB CAKES, DEVILED CRABS, SHRIMP COCKTAIL, STUFFED SHRIMP, SHRIMP BURGERS AND STEAKS, CLAM CUTLET, DEVILED CLAMS, MUSSELS IN SAUCE, AND SHELLFISH DINNERS AND SOUPS. 10/ INCLUDES FROZEN COD CAKES, FISH DINNERS, CRAB CAKES, DEVILED CRAB, LOBSTER CAKES, SHRIMP COCKTAIL, CLAM STICKS, OYSTER PIE, AND OYSTER STEW. 11/ INCLUDES CANNED ANCHOVY PASTE, SARDINE SPREAD, CAVIAR (LUMPFISH, STURGEON, AND WHITEFISH), GEFILTEFISH, ANIMAL FOOD, WHOLE HARD AND SURF CLAMS, MINCED HARD AND SURF CLAMS, CLAM CHOWDER, CLAM JUICE AND SAUCE, CONCH MEAT, MUSSEL MEAT, AND SQUID. 12/ INCLUDES CANNED COD CAKES, WHITEFISH, FISH APPETIZERS, FISH CHOWDER, GEFILTEFISH, ANIMAL FOOD (INCLUDES THE PACK CONTAINING 10 POUNDS OR MORE OF FISH PER STANDARD CASE), CRAB BISQUE, LOBSTER SOUP AND STEW, SHRIMP SOUP AND STEW, CONCHS, OYSTER BISQUE AND STEW, SCALLOPS IN SAUCE, SQUID, TURTLE SOUP AND MEAT, AND SHELLFISH SOUP. INCLUDES CANNED HARD AND SURF CLAMS, MINCED, CHOWDER, JUICE, BROTH, AND SAUCE. 13/ INCLUDES CANNED TUNA FLAKES, ANIMAL FOOD (EXCLUDES THE PACK CONTAINING LESS THAN 10 POUNDS OF FISH PER STANDARD CASE), CRAB BISQUE, LOBSTER BISQUE, SHRIMP BISQUE, CONCH MEAT, OYSTER STEW, AND TURTLE SOUP. INCLUDES CANNED HARD AND SURF CLAMS WHOLE, MINCED, CHOWDER, AND JUICE AND SAUCE. 14/ INCLUDES THE VALUE OF SALTED COD; SMOKED COD, FLOUNDER, HADDOCK (FINNAN HADDIE), AND MACKEREL; MENHADEN MEAL, OIL, AND SOLUBLES; MIXED LIVER OIL, AND MARINE PEARL SHELL BUTTONS. 15/ INCLUDES THE VALUE OF SALTED COD; SMOKED BUTTERFISH, CARP, CHUBS, EELS, SABLEFISH, STURGEON, AND WHITEFISH; MENHADEN MEAL, OIL, AND SOLUBLES; MARINE PEARL SHELL BUTTONS, MUSSEL SHELL BUTTONS, OYSTER SHELL POULTRY GRIT, IRISH MOSS EXTRACT, AND HORSESHOE CRAB MEAL. 16/ INCLUDES THE VALUE OF SALTED SEA HERRING; SMOKED BUTTERFISH, CARP, CHUBS, EELS, LAKE TROUT; SABLEFISH, SALMON, SEA HERRING, SHAD, STURGEON, AND WHITEFISH; MENHADEN MEAL, OIL, AND SOLUBLES; MARINE PEARL SHELL BUTTONS, OYSTER SHELL POULTRY GRIT, AND UNCLASSIFIED FISH MEAL.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH FILLETS	1,000 POUNDS	9,400	4,812
SHELLFISH	DO	16,245	5,783
BREADED:			
FISH	DO	12,540	6,748
SHELLFISH	DO	4,875	3,934
FISH AND SHELLFISH SPECIALTIES (NOT BREADED AND BREADED)	DO	14,267	10,904
CANNED:			
FISH AND SHELLFISH	1,000 STD. CASES	1,705	19,177
ANIMAL FOOD	DO	141	636
CURED FISH:			
SALTED	1,000 POUNDS	1,784	1,191
SMOKED AND KIPPERED	DO	19,218	23,909
INDUSTRIAL PRODUCTS	-		14,696
TOTAL	-		91,790

VALUE OF MANUFACTURED PRODUCTS, BY STATES, 1961

(THOUSANDS OF DOLLARS)

STATE	VALUE
NEW YORK	35,235
NEW JERSEY	32,215
DELAWARE	8,913
PENNSYLVANIA	15,427
TOTAL	91,790

WHOLESALING AND MANUFACTURING, 1961

ITEM	NEW YORK	NEW JERSEY	PENNSYLVANIA	DELAWARE	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	311	122	52	21	506
PERSONS ENGAGED:					
AVERAGE FOR SEASON	3,441	3,116	1,324	498	8,379
AVERAGE FOR YEAR	3,211	1,892	886	384	6,373
FISHERMEN MANUFACTURING	250	-	-	-	250

MIDDLE ATLANTIC FISHERIES

NEW YORK

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS	
						CONCH	EEL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	3	170	479	50	-	-	-
ON BOATS AND SHORE:							
REGULAR	74	-	19	23	8	-	10
CASUAL.	34	-	-	18	20	1	18
TOTAL	111	170	498	91	28	1	28
VESSELS, MOTOR.	1	10	144	12	-	-	-
GROSS TONNAGE	11	2,546	6,051	117	-	-	-
BOATS:							
MOTOR	38	30	11	19	22	1	21
OTHER	3	-	-	10	-	-	-
GEAR:							
NUMBER.	41	10	155	120	117	50	862
LENGTH, YARDS	11,658	4,360	-	-	-	-	-
YARDS AT MOUTH.	-	-	3,373	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS			
	FISH	LOBSTER	ANCHOR, SET OR STAKE	DRIFT		RUNAROUND
				SHAD	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	4	16	-	-	7	2
ON BOATS AND SHORE:						
REGULAR	-	28	19	-	6	10
CASUAL.	-	20	52	94	1	8
TOTAL	4	64	71	94	14	20
VESSELS, MOTOR.	2	8	-	-	3	1
GROSS TONNAGE	23	88	-	-	38	6
BOATS:						
MOTOR	-	25	52	47	4	9
OTHER	-	10	2	-	-	-
GEAR:						
NUMBER.	400	6,590	110	47	7	10
SQUARE YARDS.	-	-	110,672	126,323	26,427	17,700

ITEM	LINES		HARPOONS	SPEARS	DREDGES	
	HAND	LONG OR SET WITH HOOKS			CLAM	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	10	13	-	60	-
ON BOATS AND SHORE:						
REGULAR	125	29	-	1	5	-
CASUAL.	450	15	-	23	-	2
TOTAL	575	54	13	24	65	2
VESSELS, MOTOR.	-	5	6	-	27	-
GROSS TONNAGE	-	49	103	-	567	-
BOATS:						
MOTOR	325	27	-	24	2	1
OTHER	25	4	-	-	-	-
GEAR:						
NUMBER.	575	60	6	24	30	1
HOOKS OR BAITS.	800	39,500	-	-	-	-
YARDS AT MOUTH.	-	-	-	-	22	2

ITEM	DREDGES - CONTINUED		TONGS		RAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER, COMMON	SCALLOP	OYSTER	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	57	183	-	-	-	992
ON BOATS AND SHORE:						
REGULAR	3	255	-	440	360	956
CASUAL.	-	445	2	1,200	580	2,029
TOTAL	60	883	2	1,640	940	3,977
VESSELS, MOTOR.	16	17	-	-	-	229
GROSS TONNAGE	547	1,570	-	-	-	11,174
BOATS:						
MOTOR	2	565	2	890	740	1,870
OTHER	-	-	-	25	-	79
GEAR:						
NUMBER.	31	2,094	2	1,640	940	-
YARDS AT MOUTH.	44	2,179	-	-	-	-

NEW YORK - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	5,000	$215	-	-	-	-
ANGLERFISH	-	-	-	-	17,000	$544
BLUEFISH	54,600	11,363	-	-	21,200	4,404
BONITO	-	-	-	-	200	22
BUTTERFISH	-	-	-	-	1,543,800	165,307
CARP	3,400	170	-	-	-	-
COD	100	9	-	-	815,300	73,050
EELS, CONGER	-	-	-	-	3,800	81
FLOUNDERS:						
BLACKBACK	800	51	-	-	1,628,700	104,562
DAB	-	-	-	-	500	29
FLUKE	200	39	-	-	2,188,200	432,064
GRAY SOLE	-	-	-	-	7,300	937
YELLOWTAIL	-	-	-	-	2,008,600	150,443
HADDOCK	-	-	-	-	59,600	6,484
HAKE:						
RED	-	-	-	-	453,800	12,995
WHITE	-	-	-	-	900	36
HERRING, SEA	-	-	-	-	6,400	67
KING WHITING OR "KINGFISH"	100	15	-	-	2,000	310
MACKEREL	-	-	-	-	3,900	734
MENHADEN	5,000	50	83,080,000	$939,523	-	-
POLLOCK	-	-	-	-	4,700	315
SCUP OR PORGY	436,100	31,607	-	-	11,097,800	804,326
SEA BASS	-	-	-	-	234,700	57,837
SEA ROBIN	-	-	-	-	100	1
SEA TROUT OR WEAKFISH, GRAY	10,200	1,983	-	-	24,700	4,801
SHAD	5,800	1,003	-	-	100	18
SHARKS:						
GRAYFISH	-	-	-	-	58,400	3,063
UNCLASSIFIED	-	-	-	-	2,400	148
SILVERSIDES	188,900	20,075	-	-	-	-
SKATES	-	-	-	-	30,700	1,048
STRIPED BASS	651,100	109,952	-	-	133,900	22,613
STURGEON	-	-	-	-	5,500	1,131
SWELLFISH	5,000	168	-	-	14,800	498
SWORDFISH	-	-	-	-	100	44
TAUTOG	5,500	243	-	-	3,800	168
TILEFISH	-	-	-	-	99,800	12,324
WHITE PERCH	8,300	1,316	-	-	-	-
WHITING	-	-	-	-	2,564,500	110,293
UNCLASSIFIED:						
FOR FOOD	28,800	2,880	-	-	181,700	18,170
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	279,200	2,792
LOBSTERS, NORTHERN	-	-	-	-	245,000	85,750
CONCHS	-	-	-	-	2,800	416
SCALLOPS, SEA	-	-	-	-	4,800	1,775
SQUID	-	-	-	-	1,123,800	84,748
TOTAL	1,408,900	181,139	83,080,000	939,523	24,874,500	2,164,348

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	27,800	$1,118	-	-
BLUEFISH	179,800	$37,420	-	-	-	-
BONITO	26,900	3,428	-	-	-	-
BULLHEADS	-	-	700	70	-	-
BUTTERFISH	141,700	15,173	-	-	-	-
CARP	-	-	1,900	95	-	-
CATFISH	-	-	8,000	821	-	-
EELS, COMMON	91,500	12,742	2,000	160	80,900	$10,536
FLOUNDERS:						
BLACKBACK	34,400	2,208	26,200	1,682	-	-
FLUKE	24,800	4,896	-	-	-	-
HERRING, SEA	158,000	1,641	-	-	-	-
KING WHITING OR "KINGFISH"	1,200	185	-	-	-	-
MACKEREL	28,400	5,299	-	-	-	-
MENHADEN	983,000	9,830	-	-	-	-
SCUP OR PORGY	514,800	37,311	-	-	-	-
SEA BASS	1,500	370	-	-	76,500	18,848
SEA ROBIN	5,500	55	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	14,700	2,859	-	-	-	-
SHAD	62,100	11,613	-	-	-	-
SHARKS, GRAYFISH	4,600	241	-	-	-	-
STRIPED BASS	9,800	1,655	-	-	-	-
STURGEON	100	22	-	-	-	-
SUCKERS	-	-	1,400	234	-	-

(CONTINUED ON NEXT PAGE)

NEW YORK - CATCH BY GEAR, 1961 - Continued

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SUNFISH	-	-	100	$15	-	-
SWELLFISH	472,400	$15,910	-	-	-	-
TAUTOG	3,200	141	-	-	-	-
TOMCOD	-	-	800	240	-	-
TUNA:						
BLUEFIN	4,600	780	-	-	-	-
LITTLE	1,200	70	-	-	-	-
WHITE PERCH	-	-	1,400	182	-	-
WHITING	63,300	2,722	-	-	-	-
YELLOW PERCH	-	-	100	15	-	-
UNCLASSIFIED:						
FOR FOOD	55,700	5,570	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	118,000	1,180	-	-	-	-
LOBSTERS, NORTHERN	-	-	-	-	252,700	$140,318
CONCHS	-	-	-	-	5,300	789
SQUID	27,700	2,089	-	-	-	-
TOTAL	3,028,900	175,410	70,400	4,632	415,400	170,491

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,000	$40	-	-	-	-
BLUEFISH	36,300	7,554	-	-	76,400	$15,899
CARP	1,100	54	700	$32	-	-
MACKEREL	-	-	9,500	1,703	-	-
SEA TROUT OR WEAKFISH, GRAY	900	175	-	-	3,000	587
SHAD	143,400	21,320	91,300	11,536	-	-
SHARKS, UNCLASSIFIED	1,000	62	-	-	-	-
STRIPED BASS	72,500	7,034	8,500	854	3,200	540
STURGEON	2,800	607	1,000	344	-	-
SUCKERS	100	20	-	-	-	-
WHITE PERCH	4,900	476	-	-	-	-
UNCLASSIFIED, FOR FOOD	3,900	390	-	-	4,000	400
TOTAL	267,900	37,732	111,000	14,469	86,600	17,426

SPECIES	LINES				HARPOONS	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	136,700	$28,465	-	-	-	-
CATFISH	-	-	11,000	$940	-	-
COD	21,000	1,882	329,200	29,496	-	-
EELS, COMMON	-	-	1,500	150	-	-
MACKEREL	36,800	6,867	-	-	-	-
POLLOCK	1,500	100	-	-	-	-
SCUP OR PORGY	6,300	457	-	-	-	-
SHARKS, GRAYFISH	-	-	1,300	68	-	-
STRIPED BASS	30,700	5,185	-	-	-	-
SWORDFISH	-	-	-	-	48,900	$21,466
TUNA, BLUEFIN	7,200	1,234	-	-	-	-
UNCLASSIFIED, FOR FOOD	10,500	1,050	-	-	-	-
TOTAL	250,700	45,240	343,000	30,654	48,900	21,466

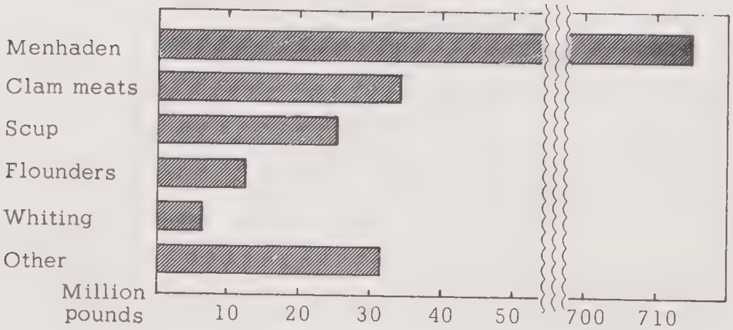
SPECIES	SPEARS		DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	37,500	$5,225	-	-	-	-	-	-
FLOUNDERS:								
BLACKBACK	-	-	4,500	$289	-	-	-	-
FLUKE	-	-	110,900	21,893	-	-	-	-
YELLOWTAIL	-	-	38,700	2,898	-	-	-	-
HAKE, RED	-	-	2,900	83	-	-	-	-
TILEFISH	-	-	2,000	248	-	-	-	-
CRABS, BLUE, HARD	-	-	1,300	152	-	-	-	-
LOBSTERS, NORTHERN	-	-	4,300	1,505	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	-	-	1,417,700	$823,920	1,366,400	$795,124
PRIVATE	-	-	1,504,600	874,310	-	-	-	-
RAZOR	-	-	-	-	-	-	13,700	2,690
SOFT, PUBLIC	-	-	-	-	-	-	143,200	37,844
SURF	-	-	722,200	[illegible]	-	-	-	-

(CONTINUED ON NEXT PAGE)

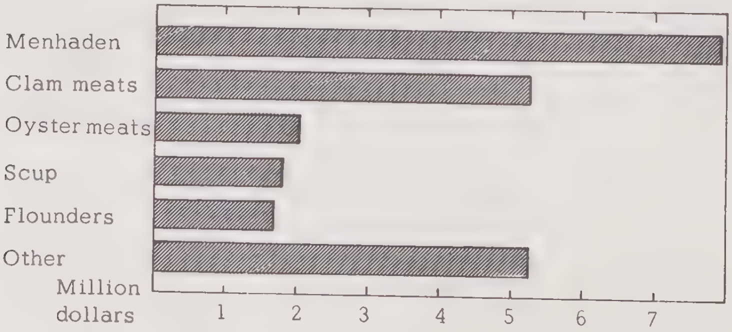
NEW YORK - CATCH BY GEAR, 1961 - Continued

SPECIES	SPEARS		DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CONCHS	-	-	5,700	$856	-	-	-	-
MUSSELS, SEA	-	-	8,400	1,071	9,000	$1,148	600	$76
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	308,700	376,857	-	-	-	-
FALL	-	-	477,500	688,844	1,900	2,750	-	-
SCALLOPS:								
BAY	-	-	791,100	554,669	-	-	-	-
SEA	-	-	3,015,600	1,115,055	-	-	-	-
SQUID	-	-	34,300	2,586	-	-	-	-
TOTAL	37,500	$5,225	7,032,700	3,705,695	1,428,600	827,718	1,525,900	835,734

MIDDLE ATLANTIC STATES CATCH, 1961



VALUE OF MIDDLE ATLANTIC STATES CATCH, 1961



MIDDLE ATLANTIC FISHERIES

NEW JERSEY

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	STOP SEINES	PURSE SEINES	
			MENHADEN	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	449	131
ON BOATS AND SHORE:				
REGULAR	13	5	-	5
CASUAL	35	-	-	-
TOTAL	48	5	449	136
VESSELS, MOTOR	-	-	27	17
GROSS TONNAGE	-	-	5,185	308
BOATS:				
MOTOR	19	5	80	1
OTHER	7	-	-	30
GEAR:				
NUMBER	22	5	27	18
LENGTH, YARDS	2,502	2,400	10,390	6,710

ITEM	BEAM TRAWLS	OTTER TRAWLS		WEIRS	POUND NETS, FISH	FYKE AND HOOP NETS, FISH
		FISH	LOBSTER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	590	168	-	66	-
ON BOATS AND SHORE:						
REGULAR	-	21	3	3	28	5
CASUAL	9	6	-	2	4	7
TOTAL	9	617	171	5	98	12
VESSELS, MOTOR	-	169	40	-	17	-
GROSS TONNAGE	-	7,230	2,196	-	149	-
BOATS:						
MOTOR	9	13	1	3	7	4
OTHER	-	-	-	2	-	5
GEAR:						
NUMBER	9	182	41	5	52	39
YARDS AT MOUTH	26	4,270	1,177	-	-	-

ITEM	POTS AND TRAPS				
	CRAB	EEL	FISH	LOBSTER	TURTLE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	11	-	18	16	-
ON BOATS AND SHORE:					
REGULAR	24	5	27	10	-
CASUAL	-	11	-	2	6
TOTAL	35	16	45	28	6
VESSELS, MOTOR	6	-	9	8	-
GROSS TONNAGE	67	-	90	86	-
BOATS:					
MOTOR	17	13	19	8	6
OTHER	-	1	-	-	-
GEAR, NUMBER	2,070	371	14,980	3,973	120

ITEM	GILL NETS				LINES	
	ANCHOR, SET OR STAKE	DRIFT		RUNAROUND	HAND	TROLL
		SHAD	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	8	-	76	15	23	33
ON BOATS AND SHORE:						
REGULAR	47	23	36	24	14	28
CASUAL	45	5	8	3	34	35
TOTAL	100	28	120	42	71	96
VESSELS, MOTOR	3	-	33	7	9	16
GROSS TONNAGE	44	-	472	57	208	214
BOATS:						
MOTOR	36	16	22	13	34	56
OTHER	6	-	-	-	-	-
GEAR:						
NUMBER	47	16	55	20	91	130
SQUARE YARDS	100,082	26,665	440,006	104,300	-	-
HOOKS OR BAITS	-	-	-	-	91	131

(CONTINUED ON NEXT PAGE)

NEW JERSEY - OPERATING UNITS BY GEAR, 1961 - Continued

ITEM	LINES - CONTINUED		PUSH NETS	HARPOONS	SPEARS
	LONG OR SET WITH HOOKS	TROT WITH BAITS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	130	-	-	8	-
ON BOATS AND SHORE:					
REGULAR	66	3	-	3	1
CASUAL.	21	-	12	2	3
TOTAL	217	3	12	13	4
VESSELS, MOTOR.	57	-	-	2	-
GROSS TONNAGE	824	-	-	107	-
BOATS:					
MOTOR	50	3	-	2	3
OTHER	-	-	12	-	1
GEAR:					
NUMBER.	107	12	12	4	4
HOOKS OR BAITS.	281,050	5,400	-	-	-

ITEM	DREDGES				TONGS
	CLAM	CRAB	OYSTER, COMMON	SCALLOP	OYSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	165	35	205	165	-
ON BOATS AND SHORE:					
REGULAR	10	15	15	40	58
CASUAL.	-	-	9	-	142
TOTAL	175	50	229	205	200
VESSELS, MOTOR.	52	14	28	17	-
GROSS TONNAGE	2,258	300	867	1,255	-
BOATS, MOTOR.	5	15	10	40	144
GEAR:					
NUMBER.	65	56	74	112	164
YARDS AT MOUTH.	80	106	73	178	-

ITEM	TONGS-CONTINUED	RAKES	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	1,853
ON BOATS AND SHORE:					
REGULAR	394	275	10	153	784
CASUAL.	750	559	40	454	1,401
TOTAL	1,144	834	50	607	4,038
VESSELS, MOTOR.	-	-	-	-	376
GROSS TONNAGE	-	-	-	-	17,514
BOATS:					
MOTOR	839	614	27	412	1,466
OTHER	228	133	4	77	331
GEAR, NUMBER.	1,144	834	50	-	-

NEW JERSEY - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		STOP SEINES		PURSE SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	7,600	$304	-	-	-	-
BLUEFISH	-	-	-	-	28,300	$3,962
CARP	102,300	5,470	130,400	$6,073	-	-
CATFISH	8,100	626	1,200	96	-	-
CROAKER	-	-	-	-	47,700	12,308
FLOUNDERS:						
BLACKBACK	600	52	-	-	-	-
FLUKE	-	-	-	-	100	16
HERRING, SEA	-	-	-	-	200	2
MENHADEN	-	-	-	-	310,843,000	3,427,053
MULLET	17,900	3,580	-	-	-	-
SCUP OR PORGY	-	-	-	-	5,087,600	405,765
SEA BASS	-	-	-	-	300	50
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	16,400	1,540
SHAD	10,000	1,961	-	-	-	-
SHARKS, GRAYFISH	-	-	-	-	300	7
SKATES	-	-	-	-	100	2
STRIPED BASS	19,100	4,771	-	-	4,900	880
STURGEON	-	-	-	-	100	20
TAUTOG	-	-	-	-	6,500	269
WHITE PERCH	38,400	5,033	-	-	-	-
UNCLASSIFIED, FOR FOOD	100	6	-	-	100	7
CRABS, BLUE, HARD	4,100	406	-	-	-	-
TURTLES, SNAPPER	700	70	-	-	-	-
TOTAL	208,900	22,279	131,600	6,169	316,035,600	3,851,881

SPECIES	BEAM TRAWLS		OTTER TRAWLS		WEIRS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	1,000	$40
ANGLERFISH	-	-	6,400	$102	-	-
BLUEFISH	-	-	69,000	12,011	-	-
BONITO	-	-	400	69	-	-
BUTTERFISH	-	-	2,301,700	153,461	-	-
COD	-	-	319,100	25,871	-	-
CROAKER	-	-	5,000	1,177	-	-
EELS:						
COMMON	-	-	-	-	2,300	874
CONGER	-	-	4,600	124	-	-
FLOUNDERS:						
BLACKBACK	-	-	112,400	5,841	-	-
FLUKE	-	-	5,996,600	948,656	-	-
GRAY SOLE	-	-	48,500	3,167	-	-
LEMON SOLE	-	-	600	102	-	-
YELLOWTAIL	-	-	169,800	1,043	-	-
HADDOCK	-	-	1,100	61	-	-
HAKE:						
RED	-	-	1,029,500	21, 28	-	-
WHITE	-	-	100,600	4,882	-	-
HERRING, SEA	-	-	69,400	1,156	-	-
KING WHITING, OR "KINGFISH"	-	-	19,400	1,833	-	-
MACKEREL	-	-	3,200	516	-	-
POLLOCK	-	-	1,400	83	-	-
SCUP OR PORGY	-	-	8,494,100	501,852	-	-
SEA BASS	-	-	666,300	100,437	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	349,000	35,711	-	-
SHAD	-	-	1,000	70	400	80
SHARKS:						
GRAYFISH	-	-	2,400	60	-	-
UNCLASSIFIED	-	-	2,800	104	-	-
SKATES	-	-	300	5	-	-
STRIPED BASS	-	-	188,100	31,237	-	-
STURGEON	-	-	12,200	2,393	-	-
SWELLFISH	-	-	43,300	2,234	-	-
TAUTOG	-	-	4,100	148	-	-
TILEFISH	-	-	82,000	5,760	-	-
WHITE PERCH	-	-	6,400	1,204	-	-
WHITING	-	-	3,545,000	118,512	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	13,000	700	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	151,800	2,222	-	-
CRABS:						
BLUE, HARD	-	-	900	65	2,000	200
ROCK	-	-	42,800	1,734	-	-
HORSESHOE CRABS	-	-	-	-	610,000	4,576
LOBSTERS, NORTHERN	-	-	1,362,600	470,516	-	-
SHRIMP	4,300	$4,300	-	-	-	-
CONCHS	-	-	123,300	14,920	-	-
SCALLOPS, SEA	-	-	5,000	2,020	-	-
SQUID	-	-	578,900	38,186	-	-
TOTAL	4,300	4,300	25,934,000	2,511,9[illegible]3	615,[illegible]00	5,[illegible]0

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NEW JERSEY - CATCH BY GEAR, 1961 - Continued

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	7,900	$316	-	-
AMBERJACK	1,000	$47	-	-	-	-
BLUEFISH	95,500	18,268	-	-	-	-
BONITO	11,000	1,736	-	-	-	-
BUTTERFISH	56,000	3,014	-	-	-	-
COD	-	-	-	-	600	$41
CROAKER	2,800	685	-	-	-	-
DRUM, BLACK	1,200	97	-	-	-	-
EELS:						
COMMON	500	83	-	-	26,500	4,889
CONGER	-	-	-	-	100	2
FLOUNDERS:						
BLACKBACK	-	-	38,400	3,840	-	-
FLUKE	30,200	3,819	-	-	-	-
GRUNTS	-	-	-	-	800	29
HAKE, RED	18,900	319	-	-	12,600	292
HERRING, SEA	141,800	2,711	-	-	-	-
KING WHITING OR "KINGFISH"	1,600	160	-	-	-	-
MACKEREL	6,400	1,095	-	-	-	-
MENHADEN	16,971,000	186,882	-	-	-	-
SCUP OR PORGY	103,400	7,637	-	-	-	-
SEA BASS	600	103	-	-	828,200	172,416
SEA ROBIN	2,600	39	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	24,500	4,219	-	-	-	-
SHAD	89,700	12,275	-	-	-	-
SHARKS, GRAYFISH	1,700	46	-	-	-	-
SHEEPSHEAD, SALT-WATER	200	10	-	-	-	-
SKATES	1,800	36	-	-	-	-
STRIPED BASS	1,300	233	15,000	3,300	-	-
STURGEON	3,500	850	-	-	-	-
SWELLFISH	30,600	1,690	-	-	-	-
TAUTOG	3,300	115	-	-	19,100	557
TUNA, LITTLE	1,000	52	-	-	-	-
WHITE PERCH	-	-	21,800	2,798	-	-
WHITING	115,100	2,735	-	-	-	-
UNCLASSIFIED, FOR FOOD	1,200	78	-	-	4,300	147
CRABS:						
BLUE:						
HARD	700	70	-	-	459,100	44,993
SOFT AND PEELER	-	-	-	-	57,100	11,416
ROCK	-	-	-	-	1,400	107
LOBSTERS, NORTHERN	-	-	-	-	186,400	99,120
CONCHS	-	-	-	-	300	35
SQUID	1,200	105	-	-	-	-
TURTLES:						
LOGGERHEAD	800	81	-	-	-	-
SNAPPER	-	-	-	-	18,000	2,160
TOTAL	17,721,100	249,290	83,100	10,254	1,614,500	336,204

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	77,200	$20,130	152,400	$27,310
BONITO	-	-	10,900	1,159	14,800	1,398
BUTTERFISH	-	-	700	74	-	-
CATFISH	-	-	2,000	160	-	-
CROAKER	-	-	-	-	1,400	363
DRUM, BLACK	300	$21	-	-	-	-
FLOUNDERS:						
BLACKBACK	400	24	-	-	-	-
FLUKE	100	13	-	-	-	-
HERRING, SEA	-	-	800	15	-	-
KING WHITING OR "KINGFISH"	-	-	200	23	-	-
MACKEREL	-	-	236,000	35,849	-	-
MENHADEN	-	-	394,000	11,524	-	-
SCUP OR PORGY	-	-	-	-	1,900	206
SEA TROUT OR WEAKFISH, GRAY	700	166	17,400	3,317	9,700	1,994
SHAD	501,000	90,139	31,000	5,521	-	-
SHARKS:						
GRAYFISH	-	-	1,700	83	-	-
UNCLASSIFIED	-	-	3,000	85	700	19
STRIPED BASS	11,500	1,989	3,300	697	-	-
TAUTOG	-	-	-	-	300	16
WHITE PERCH	1,400	98	5,800	803	-	-
WHITING	-	-	19,200	575	-	-
UNCLASSIFIED:						
FOR FOOD	100	5	1,100	46	100	10
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	200	4	-	-
TOTAL	515,500	92,455	804,500	80,065	181,300	31,316

(CONTINUED ON NEXT PAGE)

NEW JERSEY - CATCH BY GEAR, 1961 - Continued

SPECIES	LINES							
	HAND		TROLL		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	8,800	$1,538	30,400	$5,593	-	-	-	-
BONITO	200	46	3,300	428	-	-	-	-
COD.	4,900	456	400	27	2,080,100	$206,601	-	-
DRUM, BLACK.	100	9	-	-	-	-	-	-
FLOUNDERS, FLUKE	600	78	-	-	-	-	-	-
HAKE, RED.	100	2	-	-	700	22	-	-
KING WHITING OR "KINGFISH" .	200	23	-	-	-	-	-	-
MACKEREL	3,200	658	1,800	350	-	-	-	-
SCUP OR PORGY.	300	26	-	-	-	-	-	-
SEA BASS	1,700	362	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.	100	23	200	31	-	-	-	-
SHARKS:								
GRAYFISH	-	-	-	-	200	8	-	-
UNCLASSIFIED	-	-	100	2	200	7	-	-
STRIPED BASS	-	-	32,400	6,212	-	-	-	-
TAUTOG	200	5	100	3	-	-	-	-
TUNA, BLUEFIN.	1,000	119	1,600	209	-	-	-	-
WHITING.	-	-	-	-	900	115	-	-
UNCLASSIFIED, FOR FOOD . . .	100	8	100	10	-	-	-	-
CRABS, BLUE, HARD.	-	-	-	-	-	-	18,200	$2,030
TOTAL.	21,500	3,353	70,400	12,865	2,082,100	206,753	18,200	2,030

SPECIES	PUSH NETS		HARPOONS		SPEARS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	-	-	-	-	1,100	$180	-	-
FLOUNDERS:								
BLACKBACK.	-	-	-	-	-	-	200	$10
FLUKE.	-	-	-	-	-	-	3,800	591
GRAY SOLE.	-	-	-	-	-	-	500	24
YELLOWTAIL	-	-	-	-	-	-	1,100	41
SWORDFISH.	-	-	23,100	$11,557	-	-	-	-
CRABS, BLUE, HARD.	-	-	-	-	-	-	161,400	19,270
LOBSTERS, NORTHERN	-	-	-	-	-	-	100	31
SHRIMP	1,300	$1,300	-	-	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	-	-	-	-	103,300	48,720
PRIVATE.	-	-	-	-	-	-	1,300	508
SURF	-	-	-	-	-	-	26,697,200	1,693,177
CONCHS	-	-	-	-	-	-	54,600	7,664
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	-	-	-	-	31,900	31,001
FALL	-	-	-	-	-	-	987,200	819,931
SCALLOPS:								
BAY.	-	-	-	-	-	-	70,800	66,494
SEA.	-	-	-	-	-	-	342,700	118,881
TOTAL.	1,300	1,300	23,100	11,557	1,100	180	28,456,100	2,806,343

SPECIES	TONGS		RAKES		HOES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HORSESHOE CRABS.	-	-	-	-	-	-	500,000	$3,750
CLAMS:								
HARD:								
PUBLIC	584,600	$252,534	439,000	$189,700	-	-	539,300	232,575
PRIVATE.	20,000	8,564	-	-	-	-	-	-
SOFT, PUBLIC	-	-	-	-	6,000	$2,500	15,400	6,425
CONCHS	-	-	-	-	-	-	31,900	5,181
OYSTERS, MARKET:								
PUBLIC:								
SPRING	7,500	8,743	-	-	-	-	-	-
FALL	5,000	5,838	-	-	-	-	300	350
PRIVATE:								
SPRING	16,100	18,781	-	-	-	-	-	-
FALL	52,100	48,800	-	-	-	-	-	-
TERRAPIN	-	-	2,100	735	-	-	-	-
TURTLES:								
SNAPPER.	-	-	7,200	771	-	-	-	-
UNCLASSIFIED	-	-	1,200	60	-	-	-	-
TOTAL.	685,300	343,260	449,500	191,266	6,000	2,500	1,086,900	248,281

DELAWARE

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	FYKE AND HOOP NETS	
				FISH	TURTLE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	357	7	-	-
ON BOATS AND SHORE:					
REGULAR	8	-	2	3	2
CASUAL	16	-	-	19	7
TOTAL	24	357	9	22	9
VESSELS, MOTOR	-	21	4	-	-
GROSS TONNAGE	-	4,038	117	-	-
BOATS:					
MOTOR	6	63	1	15	6
OTHER	7	-	-	-	-
GEAR:					
NUMBER	6	21	5	71	167
LENGTH, YARDS	2,080	7,320	-	-	-
YARDS AT MOUTH	-	-	113	-	-

ITEM	POTS AND TRAPS		GILL NETS	
	CRAB	EEL	ANCHOR, SET OR STAKE	DRIFT
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	32	2	30	-
CASUAL	20	1	23	16
TOTAL	52	3	53	16
BOATS, MOTOR	30	3	30	15
GEAR:				
NUMBER	3,510	125	30	15
SQUARE YARDS	-	-	52,500	10,600

ITEM	LINES, LONG OR SET WITH HOOKS	DREDGES		
		CLAM	CRAB	OYSTER, COMMON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	30	12	9
ON BOATS AND SHORE:				
REGULAR	-	-	-	6
CASUAL	2	-	-	-
TOTAL	2	30	12	15
VESSELS, MOTOR	-	10	6	3
GROSS TONNAGE	-	396	120	32
BOATS, MOTOR	2	-	-	3
GEAR:				
NUMBER	2	20	7	8
HOOKS OR BAITS	3,000	-	-	-
YARDS AT MOUTH	-	32	14	11

ITEM	TONGS	RAKES	HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	-	413
ON BOATS AND SHORE:				
REGULAR	20	40	-	101
CASUAL	95	118	1	267
TOTAL	115	158	1	781
VESSELS, MOTOR	-	-	-	43
GROSS TONNAGE	-	-	-	4,685
BOATS:				
MOTOR	100	133	-	340
OTHER	15	25	-	37
GEAR, NUMBER	115	158	1	-

DELAWARE - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUTTERFISH	-	-	-	-	3,100	$249
CARP	600	$60	-	-	-	-
FLOUNDERS, FLUKE	-	-	-	-	75,900	11,385
KING WHITING OR "KINGFISH"	-	-	-	-	1,000	200
MENHADEN	-	-	302,773,000	$3,356,200	-	-
MINNOWS	1,500	600	-	-	-	-
MULLET	1,800	360	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	104,000	18,727	-	-	28,100	5,059
STRIPED BASS	-	-	-	-	1,600	320
WHITE PERCH	-	-	-	-	11,000	880
TOTAL	107,900	19,747	302,773,000	3,356,200	120,700	18,093

SPECIES	FYKE AND HOOP NETS		POTS AND TRAPS		GILL NETS	
					ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	3,500	$350	-	-	-	-
CATFISH	400	30	-	-	-	-
DRUM, BLACK	-	-	-	-	400	$20
EELS, COMMON	-	-	5,500	$710	-	-
FLOUNDERS, BLACKBACK	20,500	820	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	1,900	380
SEA TROUT OR WEAKFISH, GRAY	200	36	-	-	1,600	288
SHAD	1,000	150	-	-	78,400	11,760
STRIPED BASS	-	-	-	-	64,300	11,174
WHITE PERCH	1,000	80	-	-	14,700	1,176
CRABS, BLUE:						
HARD	-	-	628,500	47,136	-	-
SOFT AND PEELER	-	-	53,700	14,428	-	-
TURTLES, SNAPPER	13,000	1,060	-	-	-	-
TOTAL	39,600	2,526	687,700	62,274	161,300	24,798

SPECIES	GILL NETS-CONTINUED		LINES, LONG OR SET WITH HOOKS		DREDGES	
	DRIFT					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	400	$20	-	-	-	-
CATFISH	300	25	-	-	-	-
COD	-	-	32,000	$2,560	-	-
SEA TROUT OR WEAKFISH, GRAY	200	36	-	-	-	-
SHAD	10,300	1,545	-	-	-	-
STRIPED BASS	100	20	-	-	-	-
WHITING	200	16	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	130,900	$4,582
CLAMS, HARD:						
PUBLIC	-	-	-	-	36,800	13,800
PRIVATE	-	-	-	-	330,900	124,080
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	-	-	14,000	7,458
FALL	-	-	-	-	18,900	11,333
TOTAL	11,500	1,662	32,000	2,560	531,500	161,253

SPECIES	TONGS		RAKES		HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	85,800	$37,548	128,700	$56,322	-	-
TURTLES, SNAPPER	-	-	-	-	500	$40
TOTAL	85,800	37,548	128,700	56,322	500	4

HUDSON RIVER SHAD FISHERY

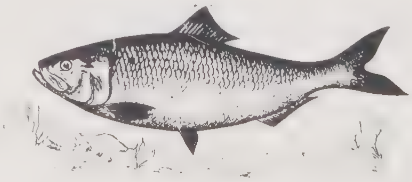
In 1961, the spring run of shad in the Hudson River yielded a commercial catch of 178,694 fish weighing 588,989 pounds and valued at $98,331 to the fishermen. This was a decrease of 19 percent in poundage and 9 percent in value compared with the 1960 catch. The average price per pound to the fishermen was slightly more than in the previous year.

During 1961, there were 191 fishermen employed in the Hudson River shad fishery--9 percent less than operated in 1960. Statistics on the 1961 operating units and catch of shad in the Hudson River by New York and New Jersey fishermen are included in the operating unit and catch data for these States.

SUMMARY OF OPERATING UNITS AND CATCH, 1961

ITEM	NEW YORK			NEW JERSEY			TOTAL		
OPERATING UNITS	NUMBER			NUMBER			NUMBER		
FISHERMEN:									
ON BOATS AND SHORE:									
REGULAR.	11			6			17		
CASUAL	136			38			174		
TOTAL.	147			44			191		
BOATS:									
MOTOR.	85			15			100		
OTHER.	-			5			5		
GEAR:									
HAUL SEINES.	3			-			3		
LENGTH, YARDS. . .	450			-			450		
GILL NETS:									
ANCHOR, SET OR STAKE	54			12			66		
SQUARE YARDS . .	92,639			30,022			122,661		
DRIFT.	46			-			46		
SQUARE YARDS . .	125,873			-			125,873		
CATCH	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE
SHAD:									
HAUL SEINES.	554	1,800	$255	-	-	-	554	1,800	$255
GILL NETS:									
ANCHOR, SET OR STAKE	37,835	143,360	21,319	111,872	352,544	$65,220	149,707	495,904	86,539
DRIFT.	28,433	91,285	11,537	-	-	-	28,433	91,285	11,537
TOTAL.	66,822	236,445	33,111	111,872	352,544	65,220	178,694	588,989	98,331

NOTE:--THESE DATA REFLECT THE CATCH OF SHAD IN THE HUDSON RIVER BETWEEN WEEHAWKEN, NEW JERSEY AND ALBANY, NEW YORK.



SHAD

SECTION 4 - CHESAPEAKE FISHERIES

The 1961 commercial catch of fish and shellfish landed in Maryland and Virginia totaled 478 million pounds valued at $37 million to the fishermen. Compared with the previous year, this was an increase of 42 million pounds (10 percent) and $2 million (6 percent). The larger catch was due primarily to improved economic conditions in the menhaden industry which resulted in greater fishing effort. Other species showing significant increases in landings were hard blue crabs, striped bass, hard clams, and shad. Major items taken in lesser volume were alewives, croakers, fluke, scup, spot, and soft clams. Virginia landings amounted to 411 million pounds (86 percent) valued at $24 million--66 percent of the total for the two States.

During the year, 18,172 fishermen participated in making the catch--1,300 less than in 1960. The number of commercial fishing craft that operated in these States consisted of 1,350 vessels, 9,228 motor boats, and 1,019 other boats.

Manufactured fishery items produced in the two States were valued at $58 million--$3 million more than in 1960. The increase resulted from gains in the value of crab meat, menhaden products, breaded fish and shellfish, and canned fish and shellfish specialties. Shucked oysters showed the sharpest decline--down 600,000 gallons and $3 million.

Oyster production continued at a low level, but was slightly larger than in 1960 as a result of a heavier spring yield in Virginia. The Virginia fall season was quite disappointing, particularly on public grounds, and packers looked to the Gulf States for supplemental supplies. Louisiana and Florida oysters were trucked in to help meet the demand. Maryland landings fell to a record low of 10.3 million pounds valued at $7.8 million--a decrease of 1.4 million pounds and $600,000 compared with 1960. The disease known as MSX was the principal cause of the relatively poor season, with a protracted spring freeze and poor oyster sets in the upper Bay during recent years also contributing factors.

The effects of the MSX disease were particularly apparent in waters of relatively high salinity; therefore, only oysters in the lower section of the Bay were affected. The seed oyster beds, which are in low salinity areas, were not harmed by the disease. However, the seed oyster fishery was adversely affected because of a poor set of spat. The demand for seed was reduced sharply as planters did not wish to put seed in areas where MSX might be present.

Under the pressure of diminishing returns, the improvement of oyster management practices received more than usual emphasis. Virginia severance taxes were increased to provide more funds for oyster bed replenishment; parasites and infectious diseases received wide and more intensive study; and for the first time in history, seed oysters were planted on public grounds. Maryland instituted a plan for dredging old shells to plant in hopes of improving spat collection. Results of actions taken by the States will not be apparent for several years.

Although the catch of nearly 75 million pounds of hard blue crabs was a record, crab meat prices were somewhat lower, which is customary in this fishery during periods of abundance. Peeler and soft blue crabs were also plentiful, though down slightly (3 percent) from 1960. A few more crab shedders started using sheltered, aerated tanks in an effort to improve production by cutting mortalities during the shedding process. The object is to maintain lower water temperatures and increase the oxygen content during the hot months when mortality is high in open floats.

Landings of soft clams were 875,000 pounds less than in 1960, due to lack of demand. New England is the principal market for these clams, and Maryland production can more than supply the limited market. Competition among producers is keen, and prices to the fishermen low, averaging $3 per bushel. This price is much lower than in New England, perhaps because of the preference of New Englanders for home grown clams. The Maryland State legislature opened Somerset and St. Mary's Counties to soft clam dredging. Fifteen vessels began operating in St. Mary's, but no interest was shown in Somerset County. Soft clams are an unexploited resource in Virginia, and as long as Maryland continues to supply the market, little interest will be shown in Virginia for soft clams.

CHESAPEAKE FISHERIES

Hard clam production in Virginia was relatively stable but more than doubled in Maryland. This increase, amounting to 285,000 pounds, was due to the passage of a bill allowing the use of clam scrapes in Worcester County.

The once active Maryland surf clam fishery was practically nonexistent in 1961--only one vessel operated part time to obtain clams for use as codfish bait in winter and as sport fishing bait in summer. Low market prices and high operating costs, compared with the major producing areas of New Jersey, just about put an end to this fishery late in 1960.

Prices for fish meal improved in 1961, and the fishery was in considerably better economic condition than in the previous year. However, one of the five processing plants in Virginia remained closed. The total menhaden catch for reduction was 279 million pounds, an increase of 50 million pounds over 1960. Competition caused at least one producer to market a plant food prepared from fish solubles and production of other products, such as pet food and fish protein concentrate, was under consideration by industry members.

Record landings of 7,262,000 pounds of striped bass in the Chesapeake area dropped the value to $902,000, a decline of $89,000 below the previous year. Maryland landings of this species, which continued at a record level for the fourth consecutive year, were nearly 23 percent greater than in 1960. Biological investigations indicate that plentiful stocks of this species can be expected to continue for several years.

For the fourth straight year, the catch of croakers declined, and the 3 million pounds landed were the lowest reported since 1891. The decline was apparently due to high mortality of young croakers caused by unusually cold weather at the time they were in inshore waters. According to the Virginia Institute of Marine Science, there is little hope of improvement before 1963.

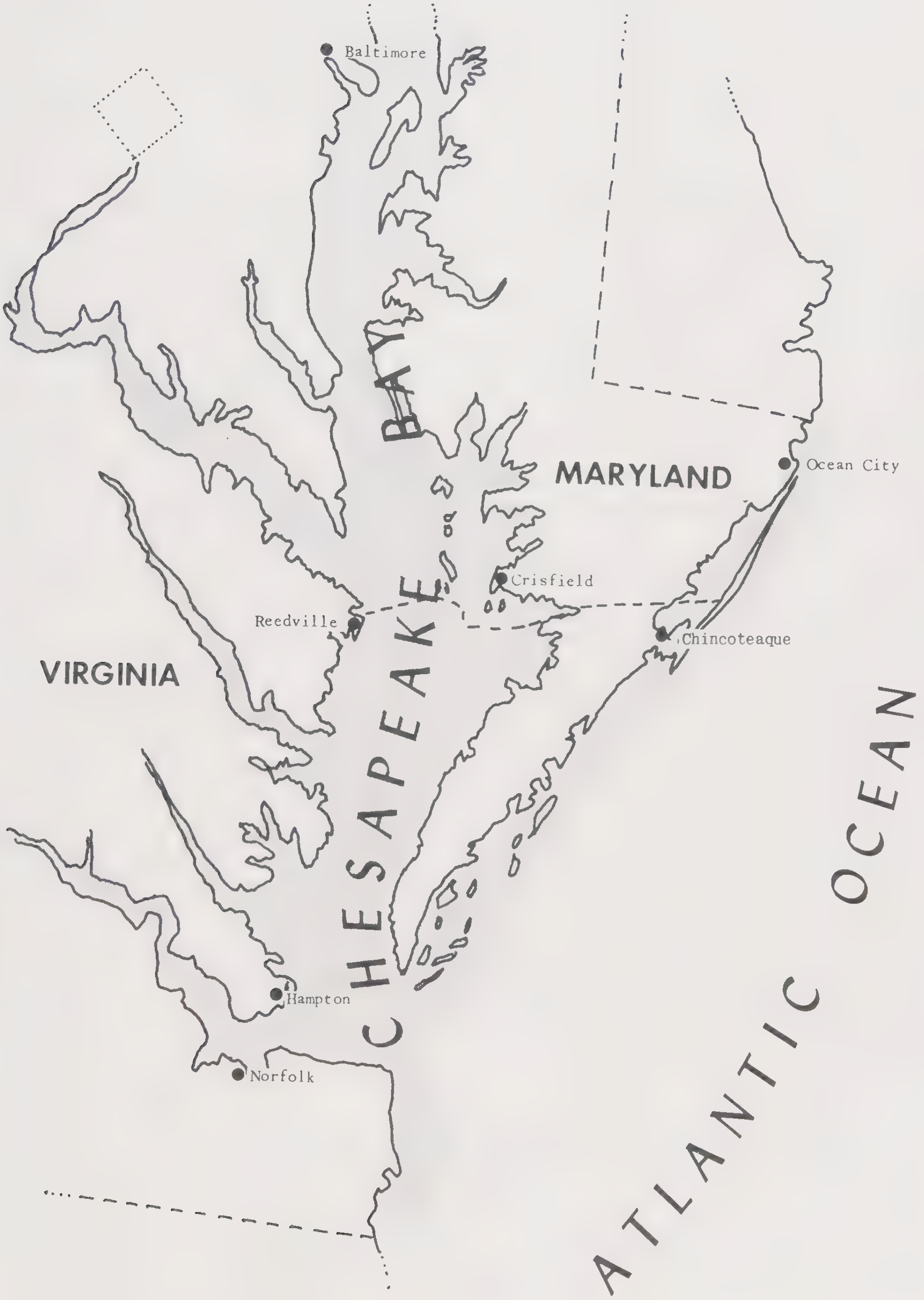
The longline cod fishery is relatively new to Maryland, having been started in 1959 by otter trawlers who found normal operations unprofitable. In 1961, the 24 vessels engaged in the fishery landed a record 789,000 pounds at Ocean City.

When the Federal minimum hourly wage was raised to $1.00 for employees not formerly covered, the management of many seafood packing houses predicted disastrous consequences, which did not materialize. The cost of shucking oysters increased about 10 to 25 cents per gallon to bring some borderline shuckers up to the $1.00-per-hour minimum. The crab meat industry was hardest hit. Picking rates were raised to help some of the slower workers make the minimum; but many could not, and exemptions were obtained for some on the basis of physical handicaps.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this Section; Maryland Natural Resources Institute, and Maryland Department of Tidewater Fisheries; the Virginia Commission of Fisheries, and Virginia Institute of Marine Science.

Condensed summary data on the operating units and catch, by States, appearing on the following pages have been previously published in Current Fishery Statistics No. 3043. The catch of fish and shellfish in the bay and ocean areas of Maryland and Virginia is shown at the end of this section. Additional data may be found in the Maryland and Virginia monthly and annual landing bulletins published by the Branch of Statistics in cooperation with the respective States. Information on the daily, monthly, and annual production of fishery products in the more important areas of these States is available in reports published by the Bureau's Fishery Market News Service office at Hampton, Virginia.

CHESAPEAKE FISHERIES


Baltimore
BAY
MARYLAND
Ocean City
Crisfield
Reedville
Chincoteaque
VIRGINIA
CHESAPEAKE
ATLANTIC OCEAN
Hampton
Norfolk

CHESAPEAKE STATES

CHESAPEAKE FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MARYLAND	21	1	46	12	67	13
VIRGINIA	346	7	65	17	411	24
TOTAL	367	8	111	29	478	37

SUMMARY OF OPERATING UNITS, 1961

ITEM	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	1,374	2,576	3,920
ON BOATS AND SHORE:			
REGULAR	4,220	3,806	8,026
CASUAL	3,515	2,711	6,226
TOTAL	9,109	9,093	18,172
VESSELS:			
MOTOR	475	820	1,285
GROSS TONNAGE	4,550	18,930	23,290
SAIL	65	-	65
GROSS TONNAGE	716	-	716
TOTAL VESSELS	540	820	1,350
TOTAL GROSS TONNAGE	5,266	18,930	24,006
BOATS:			
MOTOR	5,524	3,704	9,228
OTHER	378	641	1,019
GEAR:			
HAUL SEINES, COMMON	110	177	287
LENGTH, YARDS	46,150	108,840	154,990
PURSE SEINES, MENHADEN	1	26	26
LENGTH, YARDS	375	9,750	9,750
OTTER TRAWLS, FISH	27	87	113
YARDS AT MOUTH	686	2,158	2,824
POUND NETS:			
CRAB	-	2,787	2,787
FISH	296	643	939
FYKE AND HOOP NETS, FISH	1,180	796	1,970
POTS AND TRAPS:			
CRAB	61,275	113,995	175,170
EEL	6,147	2,482	8,629
FISH	600	5,740	6,340
TURTLE	232	318	550
SLAT TRAPS	-	4	4
GILL-NETS:			
ANCHOR, SET OR STAKE	1,780	1,122	2,902
SQUARE YARDS	1,798,195	650,850	2,449,045
DRIFT	420	530	947
SQUARE YARDS	732,590	711,400	1,413,990
LINES:			
HAND	447	657	1,104
HOOKS	447	661	1,108
LONG OR SET WITH HOOKS	37	104	141
HOOKS	51,950	19,850	71,800
TROT WITH BAITS	2,332	210	2,542
BAITS	894,575	129,600	1,024,175
DIP NETS, COMMON	226	190	416
SCRAPES	475	140	615
YARDS AT MOUTH	541	231	772
DREDGES:			
CLAM	281	37	318
YARDS AT MOUTH	282	30	312
CRAB	4	450	454
YARDS AT MOUTH	4	764	768
OYSTER, COMMON	199	700	899
YARDS AT MOUTH	217	833	1,050
SCALLOP	-	16	16
YARDS AT MOUTH	-	56	56
TONGS:			
OYSTER	4,397	3,060	7,457
OTHER	108	795	903
RAKES:			
OYSTER	-	42	42
OTHER	1	684	685

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	2,444	34	15,526	288	17,970	322
BLUEFISH	19	3	294	44	313	47
BONITO	(1)	(1)	23	3	23	3
BOWFIN	-	-	1	(1)	1	(1)
BUTTERFISH	79	5	1,591	139	1,670	144
CABIO	(1)	(1)	21	2	21	2
CARP	607	21	241	7	848	28
CATFISH AND BULLHEADS	439	25	2,469	164	2,908	189
COD	789	71	30	3	819	74
CRAPPIE	2	(1)	-	-	2	(1)
CROAKER	49	14	3,082	565	3,131	579
DRUM:						
BLACK	1	(1)	248	11	249	11
RED	-	-	12	1	12	1
EELS, COMMON	159	13	225	30	384	43
FLOUNDERS:						
BLACKBACK	3	(1)	1	(1)	4	(1)
FLUKE	539	94	2,193	368	2,732	462
UNCLASSIFIED	19	2	28	4	47	6
GIZZARD SHAD	15	(1)	98	1	113	1
HADDOCK	-	-	(1)	(1)	(1)	(1)
HAKE:						
RED	17	(1)	10	(1)	27	(1)
WHITE	(1)	(1)	8	1	8	1
HARVESTFISH	-	-	254	24	254	24
HERRING, SEA	7	(1)	4	(1)	11	(1)
HICKORY SHAD	16	1	54	3	70	4
HOGCHOKER	17	(1)	-	-	17	(1)
KING MACKEREL	-	-	18	3	18	3
KING WHITING OR "KINGFISH"	19	1	190	16	209	17
MACKEREL	19	3	387	61	406	64
MENHADEN	3,578	59	295,101	3,087	298,679	3,146
MULLET	-	-	33	3	33	3
PIGFISH	1	(1)	1	(1)	2	(1)
PIKE OR PICKEREL	2	(1)	-	-	2	(1)
POLLOCK	-	-	(1)	(1)	(1)	(1)
POMPANO	-	-	(1)	(1)	(1)	(1)
SAND PERCH	(1)	(1)	-	-	(1)	(1)
SCUP OR PORGY	99	4	11,256	655	11,355	659
SEA BASS	138	19	3,211	534	3,349	553
SEA TROUT OR WEAKFISH:						
GRAY	279	17	1,194	171	1,473	188
SPOTTED	-	-	74	15	74	15
SHAD	1,815	289	1,329	222	3,144	511
SHARKS:						
GRAYFISH	25	1	438	13	463	14
UNCLASSIFIED	42	1	(1)	(1)	42	1
SKATES	2	(1)	-	-	2	(1)
SPADEFISH	-	-	1	(1)	1	(1)
SPANISH MACKEREL	(1)	(1)	123	20	123	20
SPOT	10	1	1,184	115	1,194	116
STRIPED BASS	5,408	612	1,854	290	7,262	902
STURGEON	13	3	12	3	25	6
SUCKERS	2	(1)	5	(1)	7	(1)
SUNFISH	6	1	-	-	6	1
SWELLFISH	466	10	694	19	1,160	29
TAUTOG	2	(1)	1	(1)	3	(1)
TILEFISH	-	-	29	3	29	3
TUNA, BLUEFIN	(1)	(1)	-	-	(1)	(1)
WHITE PERCH	1,317	95	433	35	1,750	130
WHITING	66	2	407	12	473	14
YELLOW PERCH	86	8	5	1	91	9
UNCLASSIFIED:						
FOR FOOD	2	(1)	94	7	96	7
BAIT, REDUCTION, AND ANIMAL FOOD	2,788	13	1,434	22	4,222	35
TOTAL FISH	21,406	1,422	345,921	[illegible],965	367,327	8,387
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD	26,658	1,466	43,976	1,945	70,634	3,411
SOFT AND PEELER	2,692	614	1,568	422	4,260	1,036
TOTAL CRABS	29,350	2,080	45,544	2,367	74,894	4,447
LOBSTERS, NORTHERN	2	1	14	6	16	7
CLAMS:						
HARD:						
PUBLIC	457	217	1,232	572	1,689	789
PRIVATE	-	-	629	293	629	293
SOFT, PUBLIC	4,692	1,231	3	1	4,695	1,232
SURF	71	6	-	-	71	6
TOTAL CLAMS	5,220	1,454	1,[illegible]	[illegible]	[illegible],084	2,320

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CONCHS.	66	6	135	10	201	16
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	3,730	2,668	2,325	1,929	6,055	4,597
FALL.	5,212	3,999	870	717	6,082	4,716
PRIVATE:						
SPRING.	596	484	7,493	6,105	8,089	6,589
FALL.	799	652	6,475	5,180	7,274	5,832
TOTAL OYSTERS	10,337	7,803	17,163	13,931	27,500	21,734
SCALLOPS, SEA	-	-	318	131	318	131
SQUID	35	2	314	16	349	18
TERRAPIN.	8	3	9	4	17	7
TURTLES:						
LOGGERHEAD.	-	-	1	(1)	1	(1)
SNAPPER	68	7	131	19	199	26
TOTAL TURTLES	68	7	132	19	200	26
TOTAL SHELLFISH, ETC. .	45,086	11,356	65,493	17,350	110,579	28,706
GRAND TOTAL	66,492	12,778	411,414	24,315	477,906	37,093

1/ LESS THAN 500 POUNDS OR $500.

CATCH OF CERTAIN SHELLFISH, 1961

(NUMBER AND BUSHELS)

SPECIES		MARYLAND		VIRGINIA		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS, BLUE:							
HARD.	NUMBER	63,979,900	$1,466,215	131,488,838	$1,944,528	195,468,738	$3,410,743
SOFT AND PEELER	DO	10,768,000	613,778	9,048,514	422,141	19,816,514	1,035,919
CLAMS:	U. S.						
HARD:	STANDARD						
PUBLIC.	BUSHELS	57,088	217,079	154,038	572,370	211,126	789,449
PRIVATE	DO	-	-	78,625	292,631	78,625	292,631
SOFT, PUBLIC. . .	DO	391,000	1,231,082	225	884	391,225	1,231,966
SURF.	DO	4,171	5,779	-	-	4,171	5,779
CONCHS.	DO	3,325	5,823	6,770	10,174	10,095	15,997
OYSTERS, MARKET:							
PUBLIC:							
SPRING.	DO	788,478	2,667,781	553,642	1,929,590	1,342,120	4,597,371
FALL.	DO	1,067,892	3,998,947	181,231	716,933	1,249,123	4,715,880
PRIVATE:							
SPRING.	DO	115,245	483,436	1,779,974	6,105,383	1,895,219	6,588,819
FALL.	DO	153,348	652,228	1,400,146	5,180,201	1,553,494	5,832,429
SCALLOPS, SEA . . .	DO	-	-	52,950	130,770	52,950	130,770

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1961

SPECIES		MARYLAND	VIRGINIA
		QUANTITY	QUANTITY
CRABS, BLUE:			
HARD.	NUMBER PER POUND	2.40	2.99
SOFT AND PEELER	DO	4.00	5.77
CLAMS:	POUNDS OF MEATS		
HARD:	PER U. S.		
PUBLIC.	STANDARD BUSHEL	8.00	8.00
PRIVATE	DO	-	8.00
SOFT, PUBLIC.	DO	12.00	12.00
SURF.	DO	17.00	-
CONCHS.	DO	20.00	20.00
OYSTERS, MARKET:			
PUBLIC:			
SPRING.	DO	4.73	4.20
FALL.	DO	4.88	4.80
PRIVATE:			
SPRING.	DO	5.17	4.21
FALL.	DO	5.21	4.62
SCALLOPS, SEA	DO	-	6.00

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		MARYLAND		VIRGINIA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
CANNED:					
FISH	STANDARD CASES	(1)	(1)	44,994	$205,107
ROE.	DO	(1)	(1)	15,932	220,906
SALTED:					
BRINED, WHOLE AND FILLETS (SOME WITH ROE)	POUNDS	712,121	$69,541	1,784,070	111,661
PICKLED, WHOLE AND FILLETS . .	DO	90,000	9,900	1,047,800	123,909
MEAL	TONS	-	-	132	13,070
OIL.	GALLONS	(1)	(1)	7,900	2,830
MENHADEN:					
MEAL	TONS	-	-	29,773	3,191,354
OIL.	GALLONS	-	-	1,865,600	702,600
SOLUBLES	TONS	-	-	13,164	638,700
CRABS, BLUE:					
COOKED MEAT.	POUNDS	4,979,989	4,411,579	3,952,300	3,478,000
SPECIALTIES, FROZEN (CAKES, DEVILED AND STUFFED).	DO	1,498,810	2,481,965	278,367	240,217
MEAL	TONS	4,333	192,313	4,673	173,500
SHRIMP, BREADED, FROZEN.	POUNDS	(1)	(1)	178,905	163,310
CLAMS:					
SOFT:					
SHUCKED, FRESH AND FROZEN. . .	GALLONS	332,962	1,776,916	-	-
BREADED, FROZEN.	POUNDS	194,308	200,150	-	-
HARD, SHUCKED, FRESH AND FROZEN.	GALLONS	-	-	2,046	13,600
OYSTERS:					
SHUCKED, FRESH AND FROZEN. . . .	DO	922,580	7,203,195	1,414,302	11,264,442
BREADED, FROZEN.	POUNDS	207,366	261,668	581,800	539,317
STEAMED, FROZEN (INTERMEDIATE PREPARATION).	DO	-	-	555,200	1,232,500
SHELL LIME AND POULTRY GRIT. . .	TONS	(1)	(1)	4,263	110,454
SCALLOPS, BREADED, FROZEN.	POUNDS	75,000	60,000	203,000	128,803
UNCLASSIFIED PRODUCTS:					
FROZEN FISH AND SHELLFISH. . . .	DO	2/17,408,725	2/7,146,213	3/1,454,863	3/585,650
CANNED FISH AND SHELLFISH 4/ . .	STANDARD CASES	627,163	5,677,922	68,783	345,403
CURED FISH	POUNDS	5/ 7,084,091	5/3,978,896	-	-
INDUSTRIAL PRODUCTS.	-	-	6/1,409,473	-	7/ 88,900
TOTAL.	-	-	34,879,731	-	23,574,233

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN BREADED FISH PORTIONS, FISH STICKS, SHRIMP, AND SOFT-SHELL CRABS; FROZEN FISH CAKES AND PORTIONS. 3/ INCLUDES FROZEN BREADED FISH FILLETS, FISH PORTIONS, AND FISH STICKS; REFRIGERATED SHRIMP COCKTAIL; FROZEN FLOUNDER FILLETS, FISH CAKES, FISH DINNERS, AND SHELLFISH DINNERS. 4/ INCLUDES CANNED ALEWIVES; ALEWIFE ROE, ANCHOVY PASTE, SHAD ROE, TUNA, FISH CAKES, ANIMAL FOOD, CRAB BISQUE AND SOUP, SOFT-SHELL CRABS, LOBSTER SOUP, SHRIMP BISQUE AND SOUP, CLAM BISQUE, CLAMS IN THE SHELL, AND OYSTER BISQUE. 5/ INCLUDES SALTED ALEWIFE FILLETS IN SAUCE, SEA HERRING IN BRINE AND OTHER PREPARATIONS, AND HERRING EGGS; SMOKED BUTTERFISH, CARP, CHUBS, EELS, SABLEFISH, SALMON, SEA HERRING, SHAD, STURGEON, AND WHITEFISH. 6/ INCLUDES THE VALUE OF ALEWIFE OIL, UNCLASSIFIED MEAL, MARINE PEARL SHELL BUTTONS, AND OYSTER SHELL LIME AND POULTRY GRIT. 7/ INCLUDES THE VALUE OF ALEWIFE SOLUBLES, UNCLASSIFIED MEAL, AND PEARL ESSENCE.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF MANUFACTURED PRODUCTS, 1962

(VALUE IN THOUSANDS OF DOLLARS)

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH	1,000 POUNDS	758	330
SHELLFISH.	DO	32,867	29,380
BREADED:			
FISH	DO	17,785	7,164
SHELLFISH.	DO	1,539	1,463
SPECIALTIES.	DO	1,999	2,851
CANNED	1,000 STD. CASES	757	6,449
CURED (SALTED AND SMOKED).	1,000 POUNDS	10,718	4,294
INDUSTRIAL PRODUCTS.	-	-	6,523
TOTAL.	-	-	58,454

WHOLESALING AND MANUFACTURING, 1961

ITEM	MARYLAND	VIRGINIA	TOTAL
	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:			
ESTABLISHMENTS.	256	341	597
PERSONS ENGAGED:			
AVERAGE FOR SEASON.	6,532	6,974	13,506
AVERAGE FOR YEAR.	4,419	2,725	7,144

CHESAPEAKE FISHERIES

MARYLAND

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS, FISH	FYKE AND HOOP NETS	POTS AND TRAPS
						CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	142	9	60	98	10	168
ON BOATS AND SHORE:						
REGULAR	345	-	6	338	83	371
CASUAL	64	-	-	10	32	127
TOTAL	551	9	66	446	125	666
VESSELS, MOTOR	27	1	24	20	5	129
GROSS TONNAGE	247	31	654	164	40	1,044
BOATS:						
MOTOR	111	1	3	73	64	429
OTHER	89	-	-	94	-	-
GEAR:						
NUMBER	110	1	27	296	1,180	61,275
LENGTH, YARDS	46,150	375	-	-	-	-
YARDS AT MOUTH	-	-	686	-	-	-

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS		LINES
	EEL	FISH	TURTLE	ANCHOR, SET OR STAKE	DRIFT	HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	2	-	212	129	2
ON BOATS AND SHORE:						
REGULAR	130	-	23	951	305	5
CASUAL	62	-	2	769	339	6
TOTAL	192	2	25	1,932	773	13
VESSELS, MOTOR	-	1	-	104	62	1
GROSS TONNAGE	-	14	-	989	673	14
BOATS:						
MOTOR	133	-	22	1,020	343	11
OTHER	-	-	-	105	-	-
GEAR:						
NUMBER	6,147	600	232	1,780	420	447
SQUARE YARDS	-	-	-	1,798,195	732,590	-
HOOKS OR BAITS	-	-	-	-	-	447

ITEM	LINES - CONTINUED		DIP NETS, COMMON	SCRAPES	DREDGES	
	LONG OR SET WITH HOOKS	TROT WITH BAITS			CLAM	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	35	82	-	-	187	-
ON BOATS AND SHORE:						
REGULAR	20	1,219	101	237	308	4
CASUAL	8	1,031	125	8	-	-
TOTAL	63	2,332	226	245	495	4
VESSELS, MOTOR	16	76	-	-	94	-
GROSS TONNAGE	351	581	-	-	759	-
BOATS:						
MOTOR	14	2,125	165	240	187	4
OTHER	-	7	61	-	-	-
GEAR:						
NUMBER	37	2,332	226	475	281	4
HOOKS OR BAITS	51,950	894,575	-	-	-	-
YARDS AT MOUTH	-	-	-	541	282	4

(CONTINUED ON NEXT PAGE)

MARYLAND - OPERATING UNITS BY GEAR, 1961 - Continued

ITEM	DREDGES-CONTINUED	TONGS		RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER, COMMON	OYSTER	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	411	396	2	-	-	1,374
ON BOATS AND SHORE:						
REGULAR	79	3,055	106	1	30	4,220
CASUAL	-	946	-	-	106	3,515
TOTAL	490	4,397	108	1	136	9,109
VESSELS:						
MOTOR	14	254	1	-	-	475
GROSS TONNAGE	173	2,016	9	-	-	4,550
SAIL	65	-	-	-	-	65
GROSS TONNAGE	716	-	-	-	-	716
TOTAL VESSELS	79	254	1	-	-	540
TOTAL GROSS TONNAGE	889	2,016	9	-	-	5,266
BOATS:						
MOTOR	29	2,954	102	1	-	5,524
OTHER	-	42	-	-	-	378
GEAR:						
NUMBER	199	4,397	108	1	-	-
YARDS AT MOUTH	217	-	-	-	-	-

MARYLAND - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	7,500	$104	-	-	-	-
BLUEFISH	3,300	521	-	-	3,600	$211
BUTTERFISH	-	-	-	-	78,700	4,935
CABIO	-	-	-	-	100	6
CARP	554,100	18,839	-	-	-	-
CATFISH AND BULLHEADS	97,100	5,632	-	-	-	-
COD	-	-	-	-	125,000	12,334
CROAKER	37,700	10,782	-	-	100	23
DRUM, BLACK	-	-	-	-	100	5
EELS, COMMON	600	48	-	-	200	5
FLOUNDERS:						
BLACKBACK	-	-	-	-	2,600	179
FLUKE	-	-	-	-	535,900	93,125
UNCLASSIFIED	100	9	-	-	-	-
GIZZARD SHAD	2,500	52	-	-	-	-
HAKE:						
RED	-	-	-	-	10,900	171
WHITE	-	-	-	-	500	10
HERRING, SEA	-	-	-	-	6,900	125
KING WHITING OR "KINGFISH"	-	-	-	-	19,100	1,274
MACKEREL	-	-	-	-	1,300	236
MENHADEN	42,200	675	2,320,800	$39,080	-	-
PIGFISH	-	-	-	-	600	13
SAND PERCH	200	8	-	-	300	14
SCUP OR PORGY	-	-	-	-	98,600	4,408
SEA BASS	-	-	-	-	65,300	6,884
SEA TROUT OR WEAKFISH, GRAY	300	22	-	-	273,800	17,106
SHAD	300	48	-	-	-	-
SHARKS:						
GRAYFISH	-	-	-	-	25,200	994
UNCLASSIFIED	-	-	-	-	42,300	1,183
SKATES	-	-	-	-	2,000	80
SPOT	8,500	986	-	-	-	-
STRIPED BASS	787,000	88,931	-	-	20,300	3,263
STURGEON	-	-	-	-	12,600	2,628
SUCKERS	1,500	30	-	-	-	-
SUNFISH	100	8	-	-	-	-
SWELLFISH	-	-	-	-	10,700	241
TAUTOG	-	-	-	-	200	4
TUNA, BLUEFIN	-	-	-	-	100	12
WHITE PERCH	260,600	18,763	-	-	-	-
WHITING	-	-	-	-	65,200	1,715
YELLOW PERCH	19,900	1,851	-	-	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY GEAR, 1961 - Continued

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNCLASSIFIED:						
FOR FOOD.	-	-	-	-	700	$56
BAIT, REDUCTION, AND ANIMAL FOOD.	-	-	-	-	2,787,600	12,558
CONCHS.	-	-	-	-	66,500	5,823
SQUID	-	-	-	-	34,600	2,295
TERRAPIN.	900	$350	-	-	-	-
TOTAL	1,824,400	147,659	2,320,800	$39,080	4,291,600	171,916

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	2,123,800	$29,308	2,200	$31	-	-
BLUEFISH.	9,800	1,546	-	-	-	-
BONITO.	100	21	-	-	-	-
BUTTERFISH.	200	8	-	-	-	-
CARP.	20,100	683	8,600	292	-	-
CATFISH AND BULLHEADS	70,600	4,095	168,900	9,792	-	-
CRAPPIE	700	58	1,700	141	-	-
CROAKER	10,700	3,060	-	-	-	-
DRUM, BLACK	800	51	-	-	-	-
EELS, COMMON.	4,800	384	200	16	153,500	$12,274
FLOUNDERS:						
FLUKE	3,100	350	-	-	-	-
UNCLASSIFIED.	18,500	1,591	-	-	-	-
GIZZARD SHAD.	200	4	300	6	-	-
HAKE, RED	-	-	-	-	6,000	119
HICKORY SHAD.	300	20	-	-	-	-
HOGCHOKER	16,500	297	-	-	-	-
MACKEREL.	300	56	-	-	-	-
MENHADEN.	1,186,500	18,984	500	8	-	-
PIGFISH	-	-	-	-	100	3
PIKE OR PICKEREL.	100	20	-	-	-	-
SEA BASS.	-	-	-	-	72,400	12,127
SEA TROUT OR WEAKFISH, GRAY .	4,300	314	-	-	-	-
SHAD.	188,600	29,987	-	-	-	-
SPANISH MACKEREL.	200	37	-	-	-	-
SPOT.	1,000	116	-	-	-	-
STRIPED BASS.	358,300	40,488	4,000	452	-	-
SUCKERS	-	-	200	4	-	-
SUNFISH	-	-	1,000	85	-	-
SWELLFISH	15,800	348	300	7	439,600	9,671
TAUTOG.	-	-	-	-	2,100	45
WHITE PERCH	157,500	11,340	65,200	4,694	-	-
YELLOW PERCH.	2,200	205	32,500	3,022	-	-
UNCLASSIFIED, FOR FOOD. . . .	500	50	-	-	-	-
CRABS, BLUE:						
HARD.	-	-	-	-	13,854,000	761,972
SOFT AND PEELER	-	-	-	-	257,100	58,618
LOBSTERS, NORTHERN.	-	-	-	-	2,200	940
TERRAPIN.	600	250	-	-	-	-
TURTLES, SNAPPER.	-	-	-	-	58,800	5,876
TOTAL	4,196,100	143,673	285,600	18,550	14,845,800	861,645

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	284,400	$3,923	26,500	$366	-	-
BLUEFISH.	1,700	269	200	32	400	$88
BONITO.	-	-	-	-	200	36
BUTTERFISH.	-	-	100	14	-	-
CARP.	14,900	506	8,800	299	-	-
CATFISH AND BULLHEADS	58,800	3,410	15,400	893	-	-
COD	-	-	-	-	700	88
CRAPPIE	100	8	-	-	-	-
CROAKER	300	86	100	29	-	-
EELS, COMMON.	100	8	-	-	-	-
FLOUNDERS, UNCLASSIFIED . . .	700	61	-	-	-	-
GIZZARD SHAD.	10,700	224	1,300	27	-	-
HICKORY SHAD.	14,000	938	1,500	101	-	-
HOGCHOKER	100	2	-	-	-	-
KING WHITING OR "KINGFISH". .	200	13	-	-	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY GEAR, 1961 - Continued

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MACKEREL	-	-	17,200	$2,472	-	-
MENHADEN	25,000	$400	2,700	80	-	-
PIKE OR PICKEREL	1,800	360	-	-	-	-
SEA BASS	-	-	-	-	800	$136
SEA TROUT OR WEAKFISH, GRAY	400	28	-	-	-	-
SHAD	1,169,000	185,871	456,700	72,616	-	-
SHARKS, UNCLASSIFIED	100	2	-	-	-	-
SPOT	100	12	-	-	-	-
STRIPED BASS	2,623,800	296,526	1,614,300	182,416	-	-
SUCKERS	100	2	-	-	-	-
SUNFISH	5,200	442	-	-	-	-
WHITE PERCH	615,900	44,342	217,600	15,667	-	-
WHITING	-	-	500	11	-	-
YELLOW PERCH	29,700	2,764	2,100	195	-	-
UNCLASSIFIED, FOR FOOD	900	100	-	-	-	-
TURTLES, SNAPPER	-	-	-	-	8,500	1,010
TOTAL	4,858,000	540,297	2,365,000	275,218	10,600	1,358

SPECIES	LINES - CONTINUED				DIP NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	28,100	$1,630	-	-	-	-
COD	663,100	58,132	-	-	-	-
CRABS, BLUE:						
HARD	-	-	12,597,200	$692,849	26,900	$1,481
SOFT AND PEELER	-	-	94,400	21,525	37,900	8,642
TURTLES, SNAPPER	-	-	-	-	800	81
TOTAL	691,200	59,762	12,691,600	714,374	65,600	10,204

SPECIES	SCRAPES		DREDGES		TONGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	167,900	$9,236	12,300	$677	-	-
SOFT AND PEELER	2,302,600	524,993	-	-	-	-
CLAMS:						
HARD, PUBLIC	-	-	292,000	138,701	133,000	$63,330
SOFT, PUBLIC	-	-	4,692,000	1,231,082	-	-
SURF	-	-	70,900	5,779	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	870,500	663,474	2,859,900	2,004,307
FALL	-	-	1,040,400	844,936	4,171,300	3,154,011
PRIVATE:						
SPRING	-	-	466,900	391,254	128,900	92,182
FALL	-	-	557,200	474,911	241,500	177,317
TERRAPIN	6,600	2,682	-	-	-	-
TOTAL	2,477,100	536,911	8,002,200	3,750,814	7,534,600	5,491,147

SPECIES	RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	500	$228	31,200	$14,820
TOTAL	500	228	31,200	14,820

CHESAPEAKE FISHERIES

VIRGINIA

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS		FYKE AND HOOP NETS, FISH
				CRAB	FISH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	31	409	334	-	21	8
ON BOATS AND SHORE:						
REGULAR	393	-	3	328	690	141
CASUAL	209	-	1	117	333	81
TOTAL	633	409	338	445	1,044	230
VESSELS, MOTOR	11	26	85	-	8	3
GROSS TONNAGE	94	5,497	4,594	-	77	26
BOATS:						
MOTOR	166	76	2	397	287	140
OTHER	153	-	-	17	252	23
GEAR:						
NUMBER	177	26	87	2,787	643	796
LENGTH, YARDS	108,840	9,750	-	-	-	
YARDS AT MOUTH	-	-	2,158	-	-	-

ITEM	POTS AND TRAPS				SLAT TRAPS	GILL NETS
	CRAB	EEL	FISH	TURTLE		ANCHOR, SET OR STAKE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	255	11	5	-	-	17
ON BOATS AND SHORE:						
REGULAR	705	53	96	17	-	584
CASUAL	207	39	50	12	4	369
TOTAL	1,167	103	151	29	4	970
VESSELS, MOTOR	160	4	2	-	-	7
GROSS TONNAGE	1,138	33	22	-	-	50
BOATS:						
MOTOR	877	70	103	13	2	629
OTHER	5	2	7	8	2	19
GEAR:						
NUMBER	113,995	2,482	5,740	318	4	1,122
SQUARE YARDS	-	-	-	-	-	650,850

ITEM	GILL NETS - CONTINUED	LINES			DIP NETS, COMMON	SCRAPES
	DRIFT	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	98	23	-	-	-	12
ON BOATS AND SHORE:						
REGULAR	442	27	47	166	131	65
CASUAL	451	56	47	61	59	32
TOTAL	991	106	94	227	190	109
VESSELS, MOTOR	44	10	-	-	-	5
GROSS TONNAGE	486	115	-	-	-	43
BOATS:						
MOTOR	446	51	90	210	167	77
OTHER	11	10	2	-	23	-
GEAR:						
NUMBER	530	657	104	210	190	140
SQUARE YARDS	711,400	-	-	-	-	-
HOOKS OR BAITS	-	661	19,850	129,600	-	-
YARDS AT MOUTH	-	-	-	-	-	231

(CONTINUED ON NEXT PAGE)

VIRGINIA - OPERATING UNITS BY GEAR, 1961 - Continued

ITEM	DREDGES				TONGS	
	CLAM	CRAB	OYSTER, COMMON	SCALLOP	OYSTER	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	16	522	779	86	506	54
ON BOATS AND SHORE:						
REGULAR	38	55	309	-	1,624	511
CASUAL.	11	41	148	-	928	230
TOTAL	65	618	1,236	86	3,060	795
VESSELS, MOTOR.	6	190	284	8	239	25
GROSS TONNAGE	75	2,912	3,875	679	1,842	180
BOATS:						
MOTOR	31	56	232	-	1,848	463
OTHER	-	-	1	-	32	49
GEAR:						
NUMBER.	37	450	700	16	3,060	795
YARDS AT MOUTH.	30	764	833	56	-	-

ITEM	RAKES		BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER	OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	10	-	-	2,576
ON BOATS AND SHORE:					
REGULAR	28	429	120	300	3,806
CASUAL.	14	245	33	93	2,711
TOTAL	42	684	153	393	9,093
VESSELS, MOTOR.	-	3	-	-	820
GROSS TONNAGE	-	28	-	-	18,930
BOATS:					
MOTOR	23	392	35	87	3,704
OTHER	7	65	12	25	641
GEAR, NUMBER.	42	684	-	-	-

VIRGINIA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	131,200	$2,534	-	-	-	-
BLUEFISH.	115,900	16,887	-	-	32,200	$4,945
BONITO.	11,600	1,615	-	-	-	-
BOWFIN.	500	10	-	-	-	-
BULLHEADS	169,000	10,309	-	-	-	-
BUTTERFISH.	222,500	19,823	-	-	939,400	81,857
CABIO	800	121	-	-	-	-
CARP.	168,300	4,805	-	-	-	-
CATFISH	117,100	8,084	-	-	-	-
COD	-	-	-	-	500	34
CROAKER	1,174,700	218,504	-	-	131,200	23,519
DRUM:						
BLACK	15,600	842	-	-	700	48
RED	5,700	570	-	-	-	-
EELS, COMMON.	30,900	2,952	-	-	-	-
FLOUNDERS:						
BLACKBACK	-	-	-	-	400	41
FLUKE	87,600	16,221	-	-	1,895,300	312,397
UNCLASSIFIED.	14,500	2,056	-	-	4,000	530
GIZZARD SHAD.	32,200	375	-	-	-	-
HADDOCK	-	-	-	-	100	6
HAKE:						
RED	-	-	-	-	10,200	333
WHITE	-	-	-	-	8,400	640
HARVESTFISH	91,800	8,744	-	-	50,700	4,900
HERRING, SEA.	-	-	-	-	1,300	13
HICKORY SHAD.	3,300	161	-	-	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1961 - Continued

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
KING MACKEREL	2,000	$319	-	-	-	-
KING WHITING OR "KINGFISH". .	12,700	954	-	-	46,700	$3,414
MACKEREL.	-	-	-	-	4,700	770
MENHADEN.	14,249,700	213,357	259,943,000	$2,547,445	100	2
MULLET.	9,100	783	-	-	200	16
PIGFISH	-	-	-	-	200	14
POLLOCK	-	-	-	-	400	32
POMPANO	100	12	-	-	-	-
SCUP OR PORGY	-	-	-	-	11,255,800	655,118
SEA BASS.	-	-	-	-	3,018,600	503,060
SEA TROUT OR WEAKFISH:						
GRAY.	516,300	74,298	-	-	142,100	19,995
SPOTTED	24,400	4,930	-	-	-	-
SHAD.	2,300	350	-	-	1,700	120
SHARKS:						
GRAYFISH.	5,900	177	-	-	10,100	330
UNCLASSIFIED.	-	-	-	-	400	19
SPANISH MACKEREL.	400	54	-	-	-	-
SPOT.	467,000	46,074	-	-	900	46
STRIPED BASS.	583,700	85,191	-	-	1,600	199
STURGEON.	2,400	543	-	-	7,100	1,490
SUCKERS	1,200	76	-	-	-	-
SWELLFISH	148,700	4,388	-	-	19,300	563
TAUTOG.	500	26	-	-	-	-
TILEFISH.	-	-	-	-	29,000	3,030
WHITE PERCH	120,200	9,562	-	-	900	32
WHITING	-	-	-	-	401,700	12,131
YELLOW PERCH.	800	80	-	-	-	-
UNCLASSIFIED:						
FOR FOOD.	7,500	435	-	-	42,300	4,012
BAIT, REDUCTION, AND ANIMAL FOOD.	12,000	130	-	-	935,600	13,305
LOBSTERS, NORTHERN.	-	-	-	-	4,300	1,915
CONCHS.	-	-	-	-	57,600	4,486
SQUID	-	-	-	-	313,700	16,191
TERRAPIN.	4,100	1,883	-	-	-	-
TURTLES, LOGGERHEAD	600	6	-	-	-	-
TOTAL	18,564,800	758,251	259,943,000	2,547,445	19,369,400	1,669,553

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	14,604,200	$269,937	649,500	$12,668	-	-
BLUEFISH.	142,800	21,459	-	-	-	-
BONITO.	11,300	1,498	-	-	-	-
BULLHEADS	36,200	2,188	365,200	29,610	955,900	$57,980
BUTTERFISH.	428,100	37,088	300	27	-	-
CABIO	500	75	-	-	-	-
CARP.	17,000	478	54,500	1,427	-	-
CATFISH	31,600	2,165	231,200	15,622	449,500	30,903
CROAKER	1,686,800	305,432	2,200	275	-	-
DRUM:						
BLACK	175,200	7,341	-	-	-	-
RED	2,900	290	-	-	-	-
EELS, COMMON.	26,600	2,374	26,700	2,605	140,500	22,468
FLOUNDERS:						
BLACKBACK	900	76	-	-	-	-
FLUKE	205,500	38,947	-	-	-	-
UNCLASSIFIED.	9,600	1,369	-	-	-	-
GIZZARD SHAD.	22,800	231	42,100	523	-	-
HARVESTFISH	111,200	10,594	-	-	-	-
HERRING, SEA.	900	10	-	-	-	-
HICKORY SHAD.	20,700	1,035	7,500	364	-	-
KING MACKEREL	16,000	2,641	-	-	-	-
KING WHITING OR "KINGFISH". .	124,300	10,907	-	-	-	-
MACKEREL.	1,100	180	-	-	-	-
MENHADEN.	20,595,500	321,413	300,200	4,810	-	-
MULLET.	5,200	421	4,600	360	-	-
PIGFISH	400	33	-	-	-	-
POMPANO	100	12	-	-	-	-
SCUP OR PORGY	100	7	-	-	-	-
SEA BASS.	400	77	-	-	188,900	30,871
SEA TROUT OR WEAKFISH:						
GRAY.	508,500	73,010	1,000	134	-	-
SPOTTED	49,200	9,900	-	-	-	-
SHAD.	645,800	107,690	21,000	3,512	-	-
SHARKS, GRAYFISH.	12,600	378	-	-	-	-
SPADEFISH	500	30	-	-	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1961 - Continued

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SPANISH MACKEREL	122,200	$19,768	-	-	-	-
SPOT	556,100	54,054	8,300	$772	-	-
STRIPED BASS	455,500	74,415	99,100	16,415	-	-
STURGEON	1,300	374	700	190	-	-
SUCKERS	900	62	2,400	159	-	-
SWELLFISH	523,400	14,026	2,100	61	-	-
TAUTOG	600	34	-	-	-	-
WHITE PERCH	135,000	10,361	167,600	14,379	-	-
YELLOW PERCH	400	40	4,100	430	-	-
UNCLASSIFIED:						
FOR FOOD	37,900	2,356	300	20	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	469,900	7,829	-	-	-	-
CRABS, BLUE:						
HARD	130,500	6,080	-	-	31,605,400	$1,383,743
SOFT AND PEELER	878,100	229,082	-	-	360,900	103,517
LOBSTERS, NORTHERN	-	-	-	-	800	300
CONCHS	-	-	-	-	46,500	3,488
SQUID	300	21	-	-	-	-
TERRAPIN	-	-	3,200	1,120	1,700	595
TURTLES:						
LOGGERHEAD	500	5	-	-	-	-
SNAPPER	-	-	1,600	235	63,400	9,120
TOTAL	42,807,100	1,647,793	1,995,400	105,718	33,813,500	1,642,985

SPECIES	SLAT TRAPS		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	25,300	$506	32,800	$600	82,800	$1,617
BLUEFISH	-	-	300	62	200	30
BULLHEADS	-	-	2,900	161	-	-
BUTTERFISH	-	-	-	-	700	108
CARP	-	-	1,300	37	-	-
CATFISH	-	-	5,500	362	-	-
CROAKER	-	-	37,800	7,070	44,400	8,720
FLOUNDERS, FLUKE	-	-	100	20	-	-
GIZZARD SHAD	-	-	300	3	-	-
HERRING, SEA	-	-	-	-	1,700	17
HICKORY SHAD	100	4	16,500	796	6,000	270
MACKEREL	-	-	-	-	381,500	60,026
MENHADEN	-	-	-	-	12,600	126
MULLET	100	7	3,000	257	8,300	671
SEA TROUT OR WEAKFISH, GRAY	-	-	5,800	818	8,000	1,161
SHAD	-	-	485,900	84,650	172,500	25,650
SHARKS, GRAYFISH	-	-	-	-	409,600	12,324
SPOT	-	-	93,500	8,725	53,600	5,045
STRIPED BASS	100	16	695,500	110,889	6,100	900
SUCKERS	-	-	500	35	200	12
WHITE PERCH	-	-	6,900	700	2,300	190
WHITING	-	-	-	-	5,500	128
UNCLASSIFIED:						
FOR FOOD	-	-	5,000	260	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	16,600	268
TOTAL	25,600	533	1,393,600	215,445	1,212,600	117,263

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	2,100	$356	-	-	-	-
BULLHEADS	-	-	37,000	$2,242	-	-
CABIO	19,400	1,713	-	-	-	-
CATFISH	-	-	68,000	4,446	-	-
COD	-	-	29,900	2,797	-	-
CROAKER	5,200	1,100	-	-	-	-
DRUM:						
BLACK	56,600	2,224	-	-	-	-
RED	3,400	248	-	-	-	-
EELS, COMMON	-	-	100	11	-	-
FLOUNDERS, FLUKE	4,800	695	-	-	-	-
KING WHITING OR "KINGFISH"	5,700	325	-	-	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1961 - Continued

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MULLET	2,300	$237	-	-	-	-
SCUP OR PORGY	400	42	-	-	-	-
SEA BASS	2,700	436	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	11,700	1,470	-	-	-	-
SPOTTED	200	50	-	-	-	-
SPOT	4,500	746	-	-	-	-
STRIPED BASS	800	78	11,600	$1,955	-	-
SWELLFISH	100	2	-	-	-	-
WHITING	100	3	-	-	-	-
UNCLASSIFIED, FOR FOOD	600	55	-	-	-	-
CRABS, BLUE:						
HARD	-	-	-	-	3,065,400	$140,535
SOFT AND PEELER	-	-	-	-	20,900	6,160
TURTLES, SNAPPER	60,400	8,670	6,000	860	-	-
TOTAL	181,000	18,450	152,600	12,311	3,086,300	146,695

SPECIES	DIP NETS		SCRAPES		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	37,400	$9,485	55,000	$1,700	9,082,500	$402,985
SOFT AND PEELER	97,400	29,720	177,900	44,542	-	-
LOBSTERS, NORTHERN	-	-	-	-	9,200	4,260
CLAMS:						
HARD:						
PUBLIC	-	-	-	-	247,800	120,838
PRIVATE	-	-	-	-	139,600	67,947
SOFT, PUBLIC	-	-	-	-	2,700	884
CONCHS	-	-	-	-	31,300	2,200
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	-	-	7,316,300	5,959,578
FALL	-	-	-	-	6,337,600	5,070,540
SCALLOPS, SEA	-	-	-	-	317,700	130,770
TERRAPIN	200	70	-	-	-	-
TOTAL	135,000	39,275	232,900	46,242	23,484,700	11,760,002

SPECIES	TONGS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, SOFT AND PEELER	-	-	-	-	33,000	$9,120
CLAMS, HARD:						
PUBLIC	815,600	$375,207	48,900	$22,325	120,000	54,000
PRIVATE	398,200	183,384	66,200	30,050	25,000	11,250
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,302,000	1,913,030	9,000	6,480	14,000	10,080
FALL	831,900	689,213	15,500	11,160	23,000	16,560
PRIVATE:						
SPRING	173,500	143,213	-	-	3,600	2,592
FALL	129,500	104,189	-	-	7,600	5,472
TOTAL	4,650,700	3,408,236	139,600	70,015	226,200	109,074

SHAD

CHESAPEAKE STATES - CATCH BY WATERS, 1961

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,444,400	$33,732	8,200	$92
BLUEFISH	4,000	$299	15,000	2,370	39,300	6,145
BONITO	200	36	100	21	100	9
BUTTERFISH	78,800	4,949	200	8	942,200	82,153
CABIO	100	6	-	-	-	-
CARP	-	-	606,500	20,619	-	-
CATFISH AND BULLHEADS	-	-	438,900	25,452	-	-
COD	788,800	70,554	-	-	30,400	2,831
CRAPPIE	-	-	2,500	207	-	-
CROAKER	100	23	48,800	13,957	152,500	27,984
DRUM:						
BLACK	100	5	800	51	25,100	1,160
RED	-	-	-	-	1,000	100
EELS, COMMON	300	7	159,100	12,728	7,500	750
FLOUNDERS:						
BLACKBACK	2,600	179	-	-	500	47
FLUKE	535,900	93,125	3,100	350	1,958,800	326,566
UNCLASSIFIED	-	-	19,300	1,661	4,200	558
GIZZARD SHAD	-	-	15,000	313	-	-
HADDOCK	-	-	-	-	100	6
HAKE:						
RED	16,900	290	-	-	10,200	333
WHITE	500	10	-	-	8,400	640
HARVESTFISH	-	-	-	-	50,700	4,900
HERRING, SEA	6,900	125	-	-	3,900	40
HICKORY SHAD	-	-	15,800	1,059	-	-
HOGCHOKER	-	-	16,600	299	-	-
KING WHITING OR "KINGFISH"	19,300	1,287	-	-	54,800	3,971
MACKEREL	18,500	2,708	300	56	386,300	60,816
MENHADEN	2,700	80	3,575,000	59,147	98,516,500	965,738
MULLET	-	-	-	-	4,200	376
PIGFISH	700	16	-	-	200	14
PIKE OR PICKEREL	-	-	1,900	360	-	-
POLLOCK	-	-	-	-	400	32
SAND PERCH	300	14	200	6	-	-
SCUP OR PORGY	98,600	4,408	-	-	11,256,300	655,167
SEA BASS	138,500	19,147	-	-	3,209,900	534,349
SEA TROUT OR WEAKFISH:						
GRAY	274,100	17,127	4,700	343	154,700	21,435
SPOTTED	-	-	-	-	100	20
SHAD	-	-	1,814,600	268,522	5,100	985
SHARKS:						
GRAYFISH	25,200	994	-	-	420,000	12,663
UNCLASSIFIED	42,400	1,185	-	-	400	19
SKATES	2,000	80	-	-	-	-
SPANISH MACKEREL	-	-	200	37	-	-
SPOT	-	-	9,600	1,114	52,400	5,309
STRIPED BASS	20,600	3,336	5,387,100	608,740	5,600	707
STURGEON	12,600	2,628	-	-	7,900	1,570
SUCKERS	-	-	1,800	36	-	-
SUNFISH	-	-	6,300	535	-	-
SWELLFISH	10,700	241	455,700	10,026	161,000	3,536
TAUTOG	2,300	49	-	-	-	-
TILEFISH	-	-	-	-	29,000	3,030
TUNA, BLUEFIN	100	12	-	-	-	-
WHITE PERCH	300	18	1,316,500	94,788	1,200	77
WHITING	65,700	1,726	-	-	407,300	12,262
YELLOW PERCH	-	-	86,400	8,037	-	-
UNCLASSIFIED:						
FOR FOOD	700	56	1,400	150	51,700	4,657
BAIT, REDUCTION, AND ANIMAL FOOD	2,787,600	12,558	-	-	1,119,300	16,286
CRABS, BLUE:						
HARD	194,100	10,676	26,464,200	1,455,539	4,923,300	189,708
SOFT AND PEELER	1,400	319	2,690,600	613,459	203,100	59,079
LOBSTERS, NORTHERN	2,200	940	-	-	14,300	6,475
CLAMS:						
HARD:						
PUBLIC	456,700	217,079	-	-	804,800	376,208
PRIVATE	-	-	-	-	364,900	171,301
SOFT, PUBLIC	-	-	4,692,000	1,231,082	-	-
SURF	70,900	5,779	-	-	-	-
CONCHS	66,500	5,823	-	-	58,600	4,561
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	3,730,400	2,667,781	32,000	[illegible]
FALL	-	-	5,211,700	3,998,947	54,000	[illegible]
PRIVATE:						
SPRING	184,000	201,297	411,800	282,139	770,100	[illegible]
FALL	175,100	204,606	623,600	447,622	1,367,200	[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - CATCH BY WATERS, 1961 - Continued

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SCALLOPS, SEA	-	-	-	-	317,700	$130,770
SQUID	34,600	$2,295	-	-	314,000	16,212
TERRAPIN	-	-	8,100	$3,282	3,000	1,498
TURTLES, SNAPPER	-	-	68,100	6,967	-	-
TOTAL	6,143,600	886,092	50,348,300	11,891,564	128,314,400	5,313,921

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	15,517,600	$287,770	8,200	$92	17,962,000	$321,502
BLUEFISH	254,200	37,594	43,300	6,444	269,200	39,964
BONITO	22,800	3,104	300	45	22,900	3,125
BOWFIN	500	10	-	-	500	10
BUTTERFISH	648,800	56,750	1,021,000	87,102	649,000	56,758
CABIO	20,700	1,909	100	6	20,700	1,909
CARP	241,100	6,747	-	-	847,600	27,366
CATFISH AND BULLHEADS	2,469,100	164,072	-	-	2,908,000	189,524
COD	-	-	819,200	73,385	-	-
CRAPPIE	-	-	-	-	2,500	207
CROAKER	2,929,800	536,636	152,600	28,007	2,978,600	550,593
DRUM:						
BLACK	223,000	9,295	25,200	1,165	223,800	9,346
RED	11,000	1,008	1,000	100	11,000	1,008
EELS, COMMON	217,300	29,660	7,800	757	376,400	42,388
FLOUNDERS:						
BLACKBACK	800	70	3,100	226	800	70
FLUKE	234,500	41,714	2,494,700	419,691	237,600	42,064
UNCLASSIFIED	23,900	3,397	4,200	558	43,200	5,058
GIZZARD SHAD	97,400	1,132	-	-	112,400	1,445
HADDOCK	-	-	100	6	-	-
HAKE:						
RED	-	-	27,100	623	-	-
WHITE	-	-	8,900	650	-	-
HARVESTFISH	203,000	19,338	50,700	4,900	203,000	19,338
HERRING, SEA	-	-	10,800	165	-	-
HICKORY SHAD	54,100	2,630	-	-	69,900	3,689
HOGCHOKER	-	-	-	-	16,600	299
KING MACKEREL	18,000	2,960	-	-	18,000	2,960
KING WHITING OR "KINGFISH"	134,600	11,629	74,100	5,258	134,600	11,629
MACKEREL	1,000	160	404,800	63,524	1,300	216
MENHADEN	196,584,600	2,121,415	98,519,200	965,818	200,159,600	2,180,562
MULLET	28,600	2,376	4,200	376	28,600	2,376
PIGFISH	400	33	900	30	400	33
PIKE OR PICKEREL	-	-	-	-	1,900	380
POLLOCK	-	-	400	32	-	-
POMPANO	200	24	-	-	200	24
SAND PERCH	-	-	300	14	200	8
SCUP OR PORGY	-	-	11,354,900	659,575	-	-
SEA BASS	700	95	3,348,400	553,496	700	95
SEA TROUT OR WEAKFISH:						
GRAY	1,038,700	149,451	428,800	38,562	1,043,400	149,794
SPOTTED	73,700	14,860	100	20	73,700	14,860
SHAD	1,324,100	220,987	5,100	985	3,138,700	509,509
SHARKS:						
GRAYFISH	18,200	546	445,200	13,657	18,200	546
UNCLASSIFIED	-	-	42,800	1,204	-	-
SKATES	-	-	2,000	80	-	-
SPADEFISH	500	30	-	-	500	30
SPANISH MACKEREL	122,600	19,832	-	-	122,800	19,869
SPOT	1,131,500	110,153	52,400	5,309	1,141,100	111,267
STRIPED BASS	1,848,400	289,351	26,200	4,043	7,235,500	898,091
STURGEON	3,600	1,027	20,500	4,198	3,600	1,027
SUCKERS	5,200	344	-	-	7,000	380
SUNFISH	-	-	-	-	6,300	535
SWELLFISH	532,600	15,504	171,700	3,777	988,300	25,530
TAUTOG	1,100	60	2,300	49	1,100	60
TILEFISH	-	-	29,000	3,030	-	-
TUNA, BLUEFIN	-	-	100	12	-	-
WHITE PERCH	431,700	35,147	1,500	95	1,748,200	129,935
WHITING	-	-	473,000	13,988	-	-
YELLOW PERCH	5,300	550	-	-	91,700	8,587
UNCLASSIFIED:						
FOR FOOD	41,900	2,481	52,400	4,713	43,300	2,631
BAIT, REDUCTION, AND ANIMAL FOOD	314,800	5,246	3,906,900	28,844	314,800	5,246

SEE FOOTNOTE AT END OF TABLE.

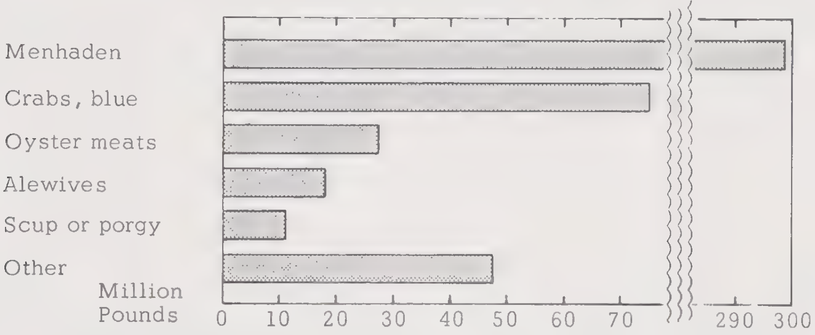
(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - CATCH BY WATERS, 1961 - Continued

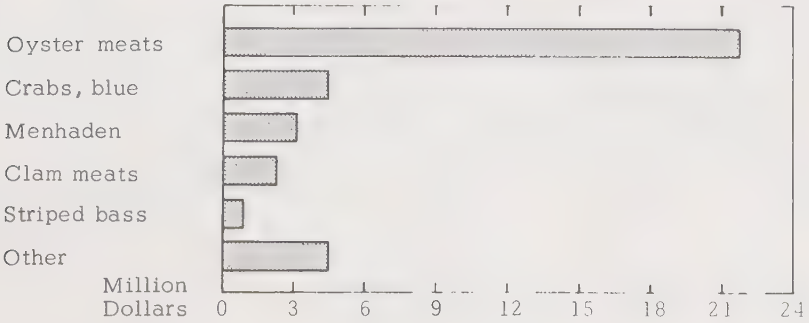
SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	39,052,900	$1,754,820	5,117,400	$200,384	65,517,100	$3,210,359
SOFT AND PEELER	1,365,100	363,062	204,500	59,398	4,055,700	976,521
LOBSTERS, NORTHERN	-	-	16,500	7,415	-	-
CLAMS:						
HARD:						
PUBLIC	427,500	196,162	1,261,500	593,287	427,500	196,162
PRIVATE	264,100	121,330	364,900	171,301	264,100	121,330
SOFT, PUBLIC	2,700	884	-	-	4,694,700	1,231,966
SURF	-	-	70,900	5,779	-	-
CONCHS	76,800	5,613	125,100	10,384	76,800	5,613
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,293,000	1,906,550	32,000	23,040	6,023,400	4,574,331
FALL	816,400	678,053	54,000	38,880	6,028,100	4,677,000
PRIVATE:						
SPRING	6,723,300	5,550,911	954,100	755,769	7,135,100	5,833,050
FALL	5,107,500	4,195,817	1,542,300	1,188,990	5,731,100	4,643,439
SCALLOPS, SEA	-	-	317,700	130,770	-	-
SQUID	-	-	348,600	18,507	-	-
TERRAPIN	6,200	2,170	3,000	1,498	14,300	5,452
TURTLES:						
LOGGERHEAD	1,100	11	-	-	1,100	11
SNAPPER	131,400	18,885	-	-	199,500	25,852
TOTAL	283,099,600	19,001,3[illegible]5	134,438,000	[illegible],200,013	343,44[illegible],900	30,[illegible]92,929

1/ INCLUDES BAYS AND CREEKS, EXCLUSIVE OF CHESAPEAKE BAY, WHICH DRAIN INTO THE ATLANTIC OCEAN.

CHESAPEAKE STATES CATCH, 1961



VALUE OF CHESAPEAKE STATES CATCH, 1961



POTOMAC RIVER SHAD AND ALEWIFE FISHERY

The catch of shad in the Potomac River during 1961 totaled 41,718 fish weighing 113,100 pounds and valued at $16,800 to the fishermen. Compared with 1960, this was a decrease of 42 percent in number, 40 percent in poundage, and 41 percent in value.

In 1961, the Potomac River catch of alewives amounted to almost 15 million fish weighing 6 million pounds and valued at $107,003. This was a gain of 12 percent in number, 8 percent in poundage, and 23 percent in value compared with 1960.

There were 543 fishermen engaged in the Potomac River shad and alewife fisheries during 1961, compared with 538 in the previous year. Statistics on the catch and operating units of these fisheries are included in catch and operating unit data for Maryland and Virginia.

* * *

SUMMARY OF OPERATING UNITS AND CATCH, 1961

ITEM	MARYLAND 1/			VIRGINIA			TOTAL		
OPERATING UNITS	NUMBER			NUMBER			NUMBER		
FISHERMEN, ON BOATS AND SHORE:									
REGULAR	94			184			278		
CASUAL.	153			112			265		
TOTAL.	247			296			543		
BOATS:									
MOTOR	141			124			265		
OTHER	34			57			91		
GEAR:									
HAUL SEINES, COMMON	2			7			9		
LENGTH, YARDS . .	1,000			2,500			3,500		
POUND NETS.	3			139			142		
FYKE AND HOOP NETS.	-			19			19		
GILL NETS:									
ANCHOR, SET OR STAKE.	214			95			309		
SQUARE YARDS. .	152,600			30,100			182,700		
DRIFT	1			6			7		
SQUARE YARDS. .	1,000			5,100			6,100		
CATCH	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE
SHAD:									
HAUL SEINES	36	100	$12	560	1,400	$200	596	1,500	$212
POUND NETS.	289	800	113	22,454	60,600	9,100	22,743	61,400	9,213
FYKE AND HOOP NETS.	-	-	-	400	1,100	157	400	1,100	157
GILL NETS:									
ANCHOR, SET OR STAKE.	10,615	29,300	4,258	6,630	17,900	2,690	17,245	47,200	6,948
DRIFT	36	100	10	698	1,800	260	734	1,900	270
TOTAL	10,976	30,300	4,393	30,742	82,800	12,407	41,718	113,100	16,800
ALEWIVES:									
HAUL SEINES	-	-	-	57,900	24,900	418	57,900	24,900	418
POUND NETS.	22,834	9,800	137	14,316,000	6,125,700	105,230	14,338,834	6,135,500	105,367
FYKE AND HOOP NETS.	-	-	-	118,000	52,300	874	118,000	52,300	874
GILL NETS, ANCHOR, SET OR STAKE . . .	27,261	11,700	164	24,500	10,500	180	51,761	22,200	344
TOTAL	50,095	21,500	301	14,516,400	6,213,400	106,702	14,566,495	6,234,900	107,003

1/ MARYLAND DATA INCLUDE THE OPERATING UNITS AND CATCH OF UNLICENSED GILL NETS UNDER 100 YARDS IN LENGTH.

SECTION 5 - SOUTH ATLANTIC FISHERIES

The 1961 catch of fish and shellfish landed at ports of the South Atlantic States (North Carolina, South Carolina, Georgia, and the East Coast of Florida) and the commercial catch from the inland lakes of Florida amounted to 402 million pounds valued at approximately $20 million. Compared with the previous year, this was an increase of over 23 million pounds or 6 percent in volume, but a decline of 1 percent in value. Menhaden, fresh-water catfish and bullheads, Spanish mackerel, and sea bass were the principal species accounting for the volume increase. The lower value resulted from a sharp decline in the catch of shrimp.

The number of fishermen engaged in the commercial fisheries of the South Atlantic area totaled 12,694--a decrease of 234 compared with 1960. Vessels of 5 net tons and over operating in the fishery totaled 1,185--an increase of 11 over the previous year.

There were 458 fishery wholesaling and processing establishments operated compared with 454 the previous year. These firms employed over 7,000 people and manufactured fishery products valued at $44 million--an increase of about $3 million compared with 1960. Most of the increase was accounted for by the higher value of packaged breaded products, principally shrimp, the main species processed in the area.

North Carolina continued its role as the leading producer volume-wise, accounting for 71 percent of landings. The East Coast of Florida, which accounted for only 19 percent of the volume, led the South Atlantic States in the value of the catch. In only these States were landings greater than in 1960--an increase of 22 million pounds in North Carolina, and 14 million pounds in the East Coast of Florida.

Menhaden landings of nearly 255 million pounds were 39 million pounds more than in 1960. These increases were reflected in each of the producing States: North Carolina registered a gain of 31 million pounds; and East Coast of Florida, 8 million pounds. It is probable that North Carolina landings would have been greater had not bad weather curtailed fishing operations during the latter part of December. Market prices for menhaden meal remained almost steady throughout the year, with an average price of $115 per ton--$33 greater than in 1960. As the season advanced, oil prices exhibited a downward trend. This was primarily a result of greater competition from South American producers vying with United States firms for the European market, which has been the principal outlet for many years.

Landings of shellfish decreased by 15.6 million pounds, or 19 percent, from those of 1960. Of the three major fisheries affected, shrimp was the hardest hit, with a decrease of 11.5 million pounds, and crab landings decreased 4.4 million. The production of oyster meats was 135,000 pounds less than in 1960. Due to slightly increased prices paid for shrimp and oysters, the value of shellfish landings declined only $1.9 million or 15 percent compared with 1960.

The shrimp fishery, which is the economic mainstay of the commercial fisheries of the South Atlantic States, experienced its poorest year, volume-wise, since 1918. The 19.7 million pounds landed were 11.5 million pounds (37 percent) less than in 1960. Although the decline was apparent in all States, South Carolina was hardest hit with a drop of 51 percent, followed by North Carolina, 50 percent; Georgia, 35 percent; and the East Coast of Florida, 11 percent. The slightly greater proportion of large-size shrimp landed, coupled with higher ex-vessel prices, resulted in an average price increase of about 8 cents per pound over that recorded in 1960. This increase compensated, in only a very small measure, for the greatly reduced catches.

MENHADEN

In South Carolina, there was some forewarning that commercial shrimp catches for the year would be below normal. The staff of the Bears Bluff Laboratories, Wadmalaw Island, South Carolina, announced in March a significant decrease in numbers of postlarval brown shrimp collected in connection with plankton studies and anticipated that this would be reflected in commercial catches later in the year. They attributed this decline primarily to the extremely cold weather of the previous winter.

Landings of blue crabs were 4.4 million pounds less than in 1960 due to reduced landings in Georgia and South Carolina. The 16 million pounds of blue crabs landed in North Carolina surpassed, by 1 million pounds, the previous record established in 1960. Blue crab landings on the East Coast of Florida were up 500,000 pounds over the previous year. The minimum wage law, which became effective during September, made crab processors apprehensive about their ability to pay the new hourly rate and still maintain a reasonable price for their product. The application of the minimum wage law to this aspect of seafood processing led the Bureau of Commercial Fisheries to sponsor a study to develop automatic equipment. It was felt that automating as much of the processing as possible would enable processors to comply with the minimum wage law without an increase in cost of crab meat to customers. Blue crabs were plentiful in all areas, and it is probable that landings would have been much greater if there had been a strong demand.

Landings of nearly 4 million pounds of oyster meats were 3 percent less than in 1960. The catch was down in all States except the East Coast of Florida, where the production increased to 72,000 pounds of oyster meats--up 28,000 pounds from the 44,000 pounds produced in 1960. Due to a strong market, the value of the total production increased 15 percent over that of the previous year. The oyster shortage in the Middle Atlantic and Chesapeake States continued, thus assuring ready outlets for all South Atlantic production. To meet market demands, some Gulf of Mexico oysters were shipped to the South Atlantic States. State conservation officials were diligent in their attempt to develop sound management principles essential to a sustained maximum harvest. Oyster shucking plants were hard pressed to comply with the new minimum wage law and retain prices at a level acceptable to the consumer.

The poor shrimp season prompted some fishermen to seek other means of supplementing their incomes. This led to the development of a rather intensive fishery for sea bass utilizing traps or pots. Approximately 36 vessels operating out of North and South Carolina ports were engaged in this fishery. Most of the fishing was conducted in the offshore waters at depths of 10 to 16 fathoms. The pots or traps used were identical to, and in some instances, were the same ones used in the crab fishery. The number of pots fished per vessel varied from 10 to 24. This fishery accounted for the bulk of the 983,000 pounds of sea bass landed during the year--the highest total for this species in many years. As another means of supplementing incomes, fishermen expended greater effort in the trawl fishery for finfish.

While mullet landings decreased 1 million pounds in North Carolina, heavier landings at South Carolina and East Coast of Florida ports compensated for this decline. As a result, total landings for the South Atlantic area were only 87,000 pounds less than those recorded for 1960. Average prices per pound paid at dockside were about the same as for 1960 in North Carolina and Florida, East Coast. In South Carolina, the average of 9 cents per pound was an increase of 3 cents over that paid in 1960.

SOUTH ATLANTIC FISHERIES

The use of aircraft for locating fish schools was expanded in the fisheries of Florida during 1961. In addition to their utilization in spotting menhaden and Spanish mackerel, aircraft were successfully used in spotting pompano and, in some instances, mullet.

The exploratory vessel Silver Bay, chartered by the Bureau, continued surveys to determine the fishery potential of the South Atlantic area. In addition to further delineations of concentrations of calico scallop off the Florida and North Carolina Coasts, a potential was found for a trawl fishery for snappers off the northeast coast of Florida and Georgia. There was little commercial exploitation of the calico scallop beds discovered the previous year by the Silver Bay. It appears that the principal factor barring exploitation has been the inability to construct a shucking device which would operate satisfactorily aboard a vessel at sea.

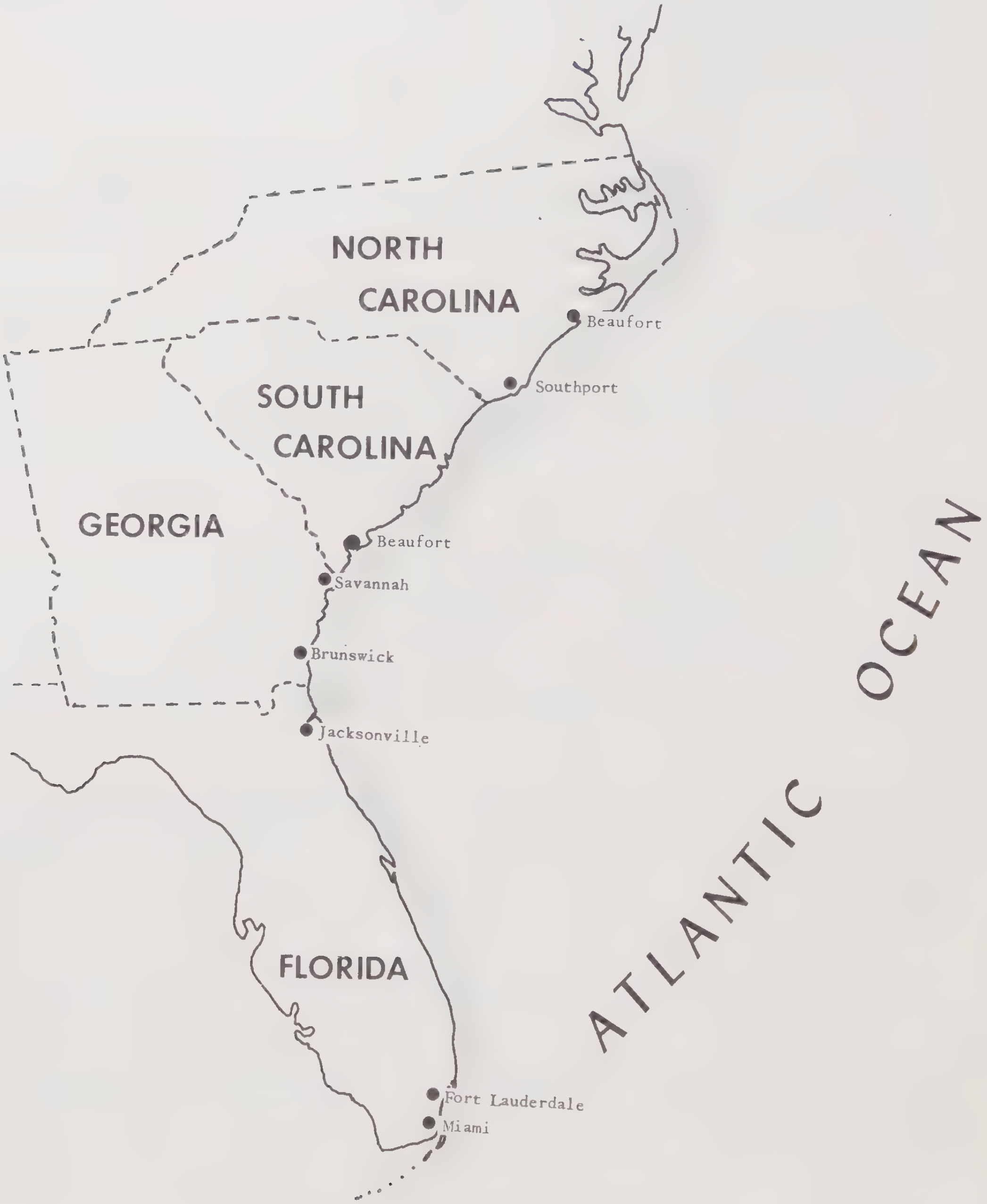
Biological research of the Bureau of Commercial Fisheries Laboratories at Beaufort, North Carolina and Brunswick, Georgia, relating to the important species of the South Atlantic area were continued. Duke University was awarded two grants by the National Science Foundation. The first, $40,000, was for basic research on shrimp, crabs, barnacles, and other crustacea with particular emphasis on larval development under controlled laboratory conditions. The second grant, $618,676, was for the construction of a biological oceanographic research vessel and suitable berthing facilities at their Marine Laboratory, located at Pivers Island, Beaufort, North Carolina.

The annual meeting of the Southeastern Fisheries Association was held at Jacksonville, Florida, in May 1961. Principal item of discussion was the need for an all-out effort on the part of members to insure passage of a Seafood Commission bill for the State of Florida that would provide a setup similar to the Florida Citrus Commission which has been successful in solving problems of that industry. Other items of discussion related to estuarine problems and the development of fishery resource potentials. The association voted to endorse the resolution of the Gulf States Marine Fisheries Commission seeking additional Federal funds for shrimp research in the Gulf area.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The North Carolina Department of Conservation and Development, Division of Commercial Fisheries; South Carolina Wildlife Resources Department, Division of Commercial Fisheries; Georgia Game and Fish Commission, Coastal Fisheries Division; and Florida State Board of Conservation and Marine Laboratory, University of Miami.

Condensed summary data on the operating units and catch of the South Atlantic Section appearing on the following pages have been previously published in Current Fishery Statistics No. 3021. Seasonal variation in the catch of fish and shellfish in North Carolina, South Carolina, Georgia, and Florida can be ascertained from the 1961 monthly and annual landing bulletins issued for each of these four States in cooperation with the fishery agency in each State. Additional data on many aspects of the South Atlantic fisheries may be found in the daily, monthly, and annual reports published by the Hampton, Virginia, Market News Office of the Bureau.

SOUTH ATLANTIC FISHERIES


NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
FLORIDA
ATLANTIC OCEAN
Beaufort
Southport
Beaufort
Savannah
Brunswick
Jacksonville
Fort Lauderdale
Miami

SOUTH ATLANTIC STATES

SOUTH ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NORTH CAROLINA.	266	4	21	3	287	7
SOUTH CAROLINA.	8	1	11	2	19	3
GEORGIA	1	(1)	19	3	20	3
FLORIDA, EAST COAST	61	4	15	3	76	7
TOTAL	336	9	66	11	402	20

1/ LESS THAN $500,000.

NOTE:--THE CATCH FOR THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.

SUMMARY OF OPERATING UNITS, 1961

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	2,172	473	633	1,098	3,721
ON BOATS AND SHORE:					
REGULAR	2,456	793	510	1,452	5,211
CASUAL.	1,527	776	885	574	3,762
TOTAL	6,155	2,042	2,028	3,124	12,694
VESSELS, MOTOR.	496	224	313	469	1,185
GROSS TONNAGE	19,931	5,972	9,070	17,075	41,152
BOATS:					
MOTOR	2,099	975	985	1,483	5,542
OTHER	816	85	33	58	992
GEAR:					
HAUL SEINES:					
COMMON.	77	18	5	28	128
LENGTH, YARDS	21,465	3,740	825	12,070	38,100
LONG.	48	-	-	-	48
LENGTH, YARDS	68,550	-	-	-	68,550
PURSE SEINES:					
MENHADEN.	52	-	-	3	55
LENGTH, YARDS	20,800	-	-	1,200	22,000
OTHER	3	-	-	1	4
LENGTH, YARDS	1,200	-	-	200	1,400
BAG NETS.	15	-	-	-	15
YARDS AT MOUTH.	375	-	-	-	375
OTTER TRAWLS:					
CRAB.	205	13	46	-	264
YARDS AT MOUTH.	3,069	221	749	-	4,039
FISH.	84	5	-	-	89
YARDS AT MOUTH.	2,058	98	-	-	2,156
SHRIMP.	842	495	769	868	2,413
YARDS AT MOUTH.	14,501	8,711	9,587	12,562	36,727
SCALLOP	9	-	-	-	9
YARDS AT MOUTH.	81	-	-	-	81
POUND NETS, FISH.	777	-	-	5	782
FYKE AND HOOP NETS, FISH. .	141	-	-	174	315
POTS AND TRAPS:					
CRAB:					
BLUE.	18,075	7,050	9,960	11,540	46,625
OTHER	-	-	-	850	850
EEL	630	-	-	-	630
FISH.	4,578	3,405	597	7,195	15,775
LOBSTER, SPINY.	-	-	-	13,360	13,360
TURTLE.	90	-	-	-	90
GILL NETS:					
ANCHOR, SET OR STAKE. . .	2,827	309	220	20	3,376
SQUARE YARDS.	915,092	42,883	60,409	12,500	1,030,884
DRIFT:					
SHAD.	170	111	373	18	672
SQUARE YARDS.	68,000	14,936	185,200	21,700	289,836
OTHER	18	-	-	20	38
SQUARE YARDS.	11,360	-	-	22,200	33,560
RUNAROUND	206	-	-	306	512
SQUARE YARDS.	163,400	-	-	530,250	693,650
TRAMMEL NETS.	-	-	-	15	15
SQUARE YARDS.	-	-	-	14,400	14,400

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
LINES:					
HAND	20	42	85	745	892
HOOKS	40	84	172	875	1,171
TROLL	-	-	-	533	533
HOOKS	-	-	-	533	533
LONG OR SET WITH HOOKS	8	16	655	519	1,198
HOOKS	1,600	4,000	32,750	518,600	556,950
TROT WITH BAITS	379	146	3	-	528
BAITS	582,100	102,000	2,150	-	686,250
DIP NETS:					
COMMON	150	-	-	-	150
DROP	-	-	2,975	-	2,975
CAST NETS	-	32	3	17	52
SPEARS	75	21	-	1	97
DREDGES:					
CLAM	21	-	-	-	21
YARDS AT MOUTH	27	-	-	-	27
OYSTER, COMMON	242	-	-	-	242
YARDS AT MOUTH	328	-	-	-	328
SCALLOP	36	-	-	1	37
YARDS AT MOUTH	36	-	-	3	39
TONGS	97	193	49	7	346
RAKES	249	34	-	-	283

NOTE:--THE OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE DATA FOR THE EAST COAST OF FLORIDA.

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	11,951	120	-	-	-	-
AMBERJACK	-	-	-	-	(1)	(1)
BLUEFISH	752	94	1	(1)	(1)	(1)
BOWFIN	-	-	-	-	5	(1)
BUTTERFISH	349	35	-	-	-	-
CABIO	18	1	-	-	-	-
CARP	159	5	-	-	2	(1)
CATFISH AND BULLHEADS	1,093	87	319	29	159	23
CROAKER	1,754	144	13	1	-	-
DRUM:						
BLACK	75	5	3	(1)	1	(1)
RED	90	7	1	(1)	1	(1)
EELS, COMMON	57	2	-	-	1	(1)
FLOUNDERS	1,897	230	95	20	37	4
GROUPERS	(1)	(1)	6	(1)	1	(1)
GRUNTS	2	(1)	21	1	-	-
HARVESTFISH	41	3	-	-	-	-
HERRING, THREAD	4,128	45	-	-	-	-
HICKORY SHAD	276	14	1	(1)	3	(1)
JEWFISH	1	(1)	-	-	-	-
KING MACKEREL	43	9	1	(1)	-	-
KING WHITING OR "KINGFISH"	1,476	136	360	47	247	20
MENHADEN	221,555	2,415	-	-	-	-
MULLET	2,194	175	2,840	256	-	-
PIGFISH	228	13	-	-	-	-
PIKE OR PICKEREL	(1)	(1)	-	-	-	-
POMPANO	5	2	50	20	-	-
SAND PERCH	18	1	-	-	-	-
SCUP OR PORGY	241	19	-	-	-	-
SEA BASS	635	70	324	64	1	(1)
SEA TROUT OR WEAKFISH:						
GRAY	2,308	127	25	1	-	-
SPOTTED	209	52	56	13	2	1
SHAD	673	168	110	35	404	93
SHARKS, UNCLASSIFIED	2	(1)	22	2	-	-
SHEEPSHEAD, SALT-WATER	10	1	15	1	-	-
SNAPPER:						
RED	6	1	113	16	3	1
VERMILION	-	-	25	1	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SPADEFISH	2	(1)	-	-	-	-
SPANISH MACKEREL	134	20	4	1	-	-
SPOT	2,056	115	3,468	207	(1)	(1)
STRIPED BASS	550	88	-	-	1	(1)
STURGEON	40	6	51	9	4	1
SWELLFISH	294	9	-	-	-	-
TUNA, LITTLE	1	(1)	-	-	-	-
WHITE PERCH	346	35	-	-	-	-
WHITING	3	(1)	-	-	-	-
YELLOW PERCH	40	2	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	10,160	69	86	1	379	7
TOTAL FISH	265,872	4,325	8,010	725	1,251	150
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD	15,880	609	4,672	186	12,312	450
SOFT AND PEELER	101	35	-	-	-	-
TOTAL CRABS	15,981	644	4,672	186	12,312	450
SHRIMP	3,016	830	3,907	1,301	6,810	2,371
CLAMS, HARD, PUBLIC	490	196	109	38	-	-
OCTOPUS	(1)	(1)	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	460	234	-	-	-	-
FALL	634	321	-	-	-	-
PRIVATE:						
SPRING	53	28	1,701	732	96	25
FALL	62	33	843	363	63	22
TOTAL OYSTERS	1,209	616	2,544	1,095	159	47
SCALLOPS:						
BAY	106	42	-	-	-	-
CALICO	22	9	-	-	-	-
SQUID	26	2	-	-	-	-
TURTLES, SNAPPER	29	5	-	-	-	-
TOTAL SHELLFISH, ETC.	20,879	2,344	11,232	2,620	19,281	2,868
GRAND TOTAL	286,751	6,669	19,242	3,345	20,532	3,018

SPECIES	FLORIDA, EAST COAST		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	2	(1)	11,953	120
AMBERJACK	5	(1)	5	(1)
BALLYHOO	3	(1)	3	(1)
BARRACUDA	1	(1)	1	(1)
BLUEFISH	979	93	1,732	187
BLUE RUNNER	39	3	39	3
BONITO	1	(1)	1	(1)
BOWFIN	-	-	5	(1)
BUTTERFISH	-	-	349	35
CABIO	7	1	25	2
CARP	-	-	161	5
CATFISH AND BULLHEADS	12,683	1,760	14,254	1,899
CREVALLE	88	3	88	3
CROAKER	143	18	1,910	163
DOLPHIN	7	1	7	1
DRUM:				
BLACK	64	5	143	10
RED	115	16	207	23
EELS, COMMON	-	-	58	2
FLOUNDERS	169	25	2,198	279
GROUPERS	257	28	264	28
GRUNTS	24	2	47	3
HARVESTFISH	-	-	41	3
HERRING, THREAD	-	-	4,128	45
HICKORY SHAD	-	-	280	14
HOGFISH	2	(1)	2	(1)
JEWFISH	16	1	17	1

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, EAST COAST		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
KING MACKEREL	2,076	270	2,120	279
KING WHITING OR "KINGFISH". .	1,061	88	3,144	291
MENHADEN.	32,950	273	254,505	2,688
MOJARRA	146	13	146	13
MULLET.	2,829	139	7,863	570
PERMIT.	(1)	(1)	(1)	(1)
PIGFISH	3	(1)	231	13
PIKE OR PICKEREL.	-	-	(1)	(1)
POMPANO	166	116	221	138
SAND PERCH.	-	-	18	1
SCUP OR PORGY	12	1	253	20
SEA BASS.	23	2	983	136
SEA CATFISH	18	1	18	1
SEA TROUT OR WEAKFISH:				
GRAY.	57	6	2,390	134
SPOTTED	750	179	1,017	245
SHAD.	425	70	1,612	366
SHARKS, UNCLASSIFIED.	-	-	24	2
SHEEPSHEAD, SALT-WATER. . . .	54	4	79	6
SNAPPER:				
MANGROVE.	52	10	52	10
MUTTON.	46	10	46	10
RED	678	187	800	205
VERMILION	20	5	45	6
YELLOWTAIL.	95	23	95	23
SPADEFISH	-	-	2	(1)
SPANISH MACKEREL.	3,158	325	3,296	346
SPOT.	929	108	6,453	430
STRIPED BASS.	-	-	551	88
STURGEON.	-	-	95	16
SWELLFISH	-	-	294	9
TENPOUNDER.	2	(1)	2	(1)
TRIGGERFISH	3	(1)	3	(1)
TRIPLETAIL.	11	1	11	1
TUNA, LITTLE.	-	-	1	(1)
WARSAW.	7	(1)	7	(1)
WHITE PERCH	-	-	346	35
WHITING	-	-	3	(1)
YELLOW PERCH.	-	-	40	2
UNCLASSIFIED:				
FOR FOOD.	280	19	280	19
BAIT, REDUCTION, AND ANIMAL FOOD.	493	11	11,118	88
TOTAL FISH.	60,949	3,817	336,082	9,017
SHELLFISH, ETC.				
CRABS:				
BLUE:				
HARD.	7,486	344	40,350	1,589
SOFT AND PEELER	(1)	(1)	101	35
STONE	25	9	25	9
TOTAL CRABS	7,511	353	40,476	1,633
LOBSTERS, SPINY	702	249	702	249
SHRIMP.	6,016	2,437	19,749	6,939
CLAMS, HARD, PUBLIC	4	2	603	236
CONCHS.	(1)	(1)	(1)	(1)
OCTOPUS	-	-	(1)	(1)
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	29	8	489	242
FALL.	9	3	643	324
PRIVATE:				
SPRING.	16	5	1,866	790
FALL.	18	5	986	423
TOTAL OYSTERS	72	21	3,984	1,779
SCALLOPS:				
BAY	-	-	106	42
CALICO.	4	1	26	10
SQUID	4	1	30	3
TURTLES:				
GREEN	(1)	(1)	(1)	(1)
LOGGERHEAD.	1	(1)	1	(1)
SNAPPER	-	-	29	5
SOFT-SHELL.	458	23	458	23
TOTAL SHELLFISH, ETC. .	14,772	3,087	66,164	10,919
GRAND TOTAL	75,721	6,904	402,246	19,936

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE CATCH FOR THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.

CATCH OF CERTAIN SHELLFISH, 1961

(NUMBER AND BUSHELS)

SPECIES		NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS, BLUE:							
HARD.	NUMBER	47,640,300	$608,478	11,773,692	$185,844	24,624,400	$450,158
SOFT AND PEELER .	DO	302,400	35,280	-	-	-	-
CLAMS, HARD, PUBLIC	U.S. STD. BUSHEL	61,550	196,160	12,423	38,045	-	-
OYSTERS, MARKET:							
PUBLIC:							
SPRING.	DO	88,588	233,541	-	-	-	-
FALL.	DO	122,301	321,400	-	-	-	-
PRIVATE:							
SPRING.	DO	10,102	27,974	534,971	732,285	29,112	25,414
FALL.	DO	11,855	32,552	264,829	362,925	25,800	22,236
SCALLOPS:							
BAY	DO	17,617	42,280	-	-	-	-
CALICO.	DO	5,126	8,960	-	-	-	-

SPECIES		FLORIDA, EAST COAST		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE:					
HARD.	NUMBER	14,971,200	$344,338	99,009,592	$1,588,818
SOFT AND PEELER	DO	1,600	200	304,000	35,480
STONE	DO	25,300	8,729	25,300	8,729
CLAMS, HARD, PUBLIC	U.S. STD. BUSHEL	525	1,386	74,498	235,591
CONCHS.	DO	14	60	14	60
OYSTERS, MARKET:					
PUBLIC:					
SPRING.	DO	6,579	8,466	95,167	242,007
FALL.	DO	2,238	2,764	124,539	324,164
PRIVATE:					
SPRING.	DO	3,699	4,703	577,884	790,376
FALL.	DO	4,381	5,410	306,865	423,123
SCALLOPS:					
BAY	DO	-	-	17,617	42,280
CALICO.	DO	720	1,440	5,846	10,400

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1961

SPECIES		NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST
		QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:					
BLUE:					
HARD.	NUMBER PER POUND	3.00	2.52	2.00	2.00
SOFT AND PEELER	DO	3.00	-	-	4.00
STONE	DO	-	-	-	1.00
CLAMS, HARD, PUBLIC	LBS. MEATS PER U.S. STANDARD BUSHEL	7.97	8.75	-	8.00
CONCHS.	DO	-	-	-	14.00
OYSTERS, MARKET:					
PUBLIC:					
SPRING.	DO	5.19	-	-	4.38
FALL.	DO	5.18	-	-	4.20
PRIVATE:					
SPRING.	DO	5.28	3.18	3.29	4.33
FALL.	DO	5.26	3.18	2.43	4.20
SCALLOPS:					
BAY	DO	6.00	-	-	-
CALICO.	DO	4.37	-	-	5.00

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		NORTH CAROLINA		SOUTH CAROLINA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
ROE, CANNED.	STANDARD CASES	8,937	$122,550	-	-
FISH, CORNED (SALTED).	POUNDS	4,500,700	163,517	-	-
MENHADEN:					
DRY SCRAP AND MEAL	TONS	23,379	2,688,585	-	-
OIL.	GALLONS	2,785,640	968,811	-	-
SOLUBLES	TONS	7,544	374,713	-	-
SPANISH MACKEREL, FRESH AND FROZEN FILLETS.	POUNDS	(1)	(1)	-	-
CRABS, BLUE, COOKED MEAT	DO	1,862,208	1,500,492	211,436	$236,535
SHRIMP, FRESH AND FROZEN:					
RAW, HEADLESS.	DO	(1)	(1)	(1)	(1)
PEELED (INCLUDING DEVEINED). . . .	DO	-	-	(1)	(1)
BREADED (RAW AND COOKED)	DO	(1)	(1)	(1)	(1)
OYSTERS, FRESH AND FROZEN, SHUCKED .	GALLONS	99,971	651,681	45,553	277,994
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH FILLETS AND STEAKS, NOT BREADED	POUNDS	(2)	(2)	-	-
SHELLFISH, SHUCKED	GALLONS	4/ 58,295	4/233,758	-	-
FISH AND SHELLFISH	POUNDS	5/238,433	5/210,388	6/ 22,750	6/ 22,655
CURED FISH	DO	9/226,600	9/ 46,900	-	-
CANNED FISH AND SHELLFISH.	STANDARD CASES	11/ 20,685	11/360,275	12/ 63,955	12/852,536
INDUSTRIAL PRODUCTS.	-	-	13/287,128	-	-
TOTAL.	-	-	7,608,798	-	1,389,720

ITEM		GEORGIA		FLORIDA, EAST COAST	
		QUANTITY	VALUE	QUANTITY	VALUE
GROUPER FILLETS AND STEAKS (FRESH AND FROZEN)	POUNDS	-	-	117,100	$50,245
MENHADEN:					
DRY SCRAP AND MEAL	TONS	-	-	(1)	(1)
OIL.	GALLONS	-	-	(1)	(1)
SOLUBLES	TONS	-	-	(1)	(1)
SNAPPER, RED, FRESH AND FROZEN FILLETS	POUNDS	-	-	305,672	230,076
SPANISH MACKEREL, FRESH AND FROZEN FILLETS	DO	-	-	527,300	159,931
CRABS, BLUE, COOKED MEAT	DO	1,443,183	$1,357,197	1,191,989	1,214,710
LOBSTER, SPINY, COOKED (WHOLE) . . .	DO	-	-	1,203,000	665,000
SHRIMP, FRESH AND FROZEN:					
RAW, HEADLESS.	DO	1,498,278	1,264,488	2,240,194	1,682,544
PEELED (INCLUDING DEVEINED). . . .	DO	3,478,144	3,700,515	932,148	841,339
BREADED (RAW AND COOKED)	DO	16,660,429	11,968,166	7,247,051	5,376,462
SPECIALTIES (CAKES, CREOLE, STICKS, AND STUFFED).	DO	1,818,377	1,076,947	(1)	(1)
OYSTERS, FRESH AND FROZEN, SHUCKED .	GALLONS	18,111	95,301	4,945	22,500
SCALLOPS, BREADED.	POUNDS	(1)	(1)	67,176	45,103
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH FILLETS AND STEAKS, NOT BREADED	DO	-	-	3/ 596,600	3/255,637
SHELLFISH, SHUCKED	GALLONS	-	-	(2)	(2)
FISH AND SHELLFISH	POUNDS	7/6,187,545	7/2,997,189	8/1,098,372	8/650,035
CURED FISH	DO	-	-	(10)	(10)
CANNED FISH AND SHELLFISH.	STANDARD CASES	-	-	(10)	(10)
INDUSTRIAL PRODUCTS.	-	-	14/ 18,544	-	15/902,481
MISCELLANEOUS ITEMS.	-	-	-	-	16/428,993
TOTAL.	-	-	22,478,347	-	12,525,056

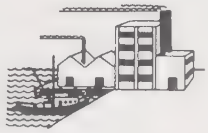
1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH. 3/ INCLUDES FRESH FILLETS OF BLUEFISH AND POMPANO; FROZEN FILLETS OF BLUEFISH, MULLET, POMPANO, SPOTTED SEA TROUT, AND UNCLASSIFIED SPECIES; AND FROZEN STEAKS OF KING WHITING AND UNCLASSIFIED SPECIES. 4/ INCLUDES SHUCKED CALICO SCALLOPS AND HARD CLAMS. 5/ INCLUDES FRESH FILLETS OF FLOUNDER, SCUP, SEA BASS, SEA TROUT, SPANISH MACKEREL, AND STRIPED BASS; FROZEN BREADED FLOUNDER, CRAB CAKES, DEVILED CRABS, RAW HEADLESS SHRIMP, BREADED SHRIMP, BREADED OYSTERS, AND SHELLFISH DINNERS. 6/ INCLUDES FROZEN DEVILED CRABS, RAW HEADLESS SHRIMP, RAW PEELED SHRIMP, COOKED SHRIMP, BREADED SHRIMP, BREADED OYSTERS, AND SHELLFISH PLATTERS. 7/ INCLUDES FROZEN BREADED FISH FILLETS, PORTIONS, STEAKS, AND STICKS; FROZEN UNBREADED FISH PORTIONS; FROZEN CRAB AU GRATIN, DEVILED CRABS, AND CRAB STICKS; FROZEN BREADED OYSTERS, OYSTER STICKS, AND SCALLOPS; FROZEN FISH WITH STUFFING, FISH DINNERS, SHELLFISH CREOLE, AND SHELLFISH DINNERS. 8/ INCLUDES FROZEN BREADED FISH PORTIONS, FISH STICKS, CRAB STICKS, OYSTERS, AND CLAMS; FROZEN STONE CRAB CLAWS, CRAB CAKES, DEVILED CRABS, SHRIMP PATTIES, STUFFED SHRIMP, AND SHELLFISH DINNERS; AND FRESH SHUCKED CALICO SCALLOPS. 9/ INCLUDES SALTED MULLET AND SPOT; AND SMOKED ALEWIVES. 10/ INCLUDED WITH MISCELLANEOUS ITEMS. 11/ INCLUDES CANNED ALEWIVES, SHAD, ANIMAL FOOD, AND CRAB MEAT. 12/ INCLUDES CANNED CRAB MEAT, DEVILED CRABS, OYSTERS, AND OYSTER STEW. 13/ INCLUDES THE VALUE OF MEAL AND OIL FROM THREAD HERRING, AND UNCLASSIFIED SPECIES AND CRAB MEAL. 14/ VALUE OF CRAB MEAL. 15/ INCLUDES THE VALUE OF MENHADEN MEAL, OIL, AND SOLUBLES; CRAB MEAL; AND OYSTER SHELL AND POULTRY GRIT. 16/ INCLUDES THE VALUE OF SMOKED BUTTERFISH, CHUB, KING WHITING, MARLIN, MULLET, SABLEFISH, SALMON, STURGEON, AND WHITEFISH; AND CANNED KING MACKEREL PASTE.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH	1,000 POUNDS	1,598	723
SHELLFISH	DO	16,069	13,765
BREADED:			
FISH	DO	5,258	2,297
SHELLFISH	DO	25,047	18,204
SPECIALTIES (FISH AND SHELLFISH)	DO	2,962	1,798
CANNED FISH AND SHELLFISH	1,000 STANDARD CASES	95	1,368
CURED FISH (SALTED AND SMOKED)	1,000 POUNDS	5,327	607
INDUSTRIAL PRODUCTS	-	-	5,240
TOTAL	-	-	44,002



VALUE OF MANUFACTURED PRODUCTS, BY STATES, 1961

(THOUSANDS OF DOLLARS)

ITEM	VALUE
NORTH CAROLINA	7,609
SOUTH CAROLINA	1,390
GEORGIA	22,478
FLORIDA, EAST COAST	12,525
TOTAL	44,002

WHOLESALING AND MANUFACTURING, 1961

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	181	73	65	139	458
PERSONS ENGAGED:					
AVERAGE FOR SEASON	2,514	823	2,569	1,737	7,643
AVERAGE FOR YEAR	996	608	1,976	1,350	4,930

SOUTH ATLANTIC FISHERIES

NORTH CAROLINA

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES		PURSE SEINES		BAG NETS	OTTER TRAWLS	
	COMMON	LONG	MENHADEN	OTHER		CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	73	1,166	-	-	30	180
ON BOATS AND SHORE:							
REGULAR	145	196	-	-	-	193	32
CASUAL	289	-	-	18	15	50	-
TOTAL	434	269	1,166	18	15	273	212
VESSELS, MOTOR	-	23	52	-	-	15	68
GROSS TONNAGE	-	189	10,588	-	-	136	2,547
BOATS:							
MOTOR	41	73	156	3	15	190	16
OTHER	66	94	-	3	-	-	-
GEAR:							
NUMBER	77	48	52	3	15	205	84
LENGTH, YARDS	21,465	68,550	20,800	1,200	-	-	-
YARDS AT MOUTH	-	-	-	-	375	3,069	2,058

ITEM	OTTER TRAWLS-CONTINUED		POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS			
	SHRIMP	SCALLOP			CRAB	EEL	FISH	TURTLE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	895	26	-	-	-	-	64	-
ON BOATS AND SHORE:								
REGULAR	508	-	129	-	286	-	56	-
CASUAL	4	-	86	14	54	35	86	7
TOTAL	1,407	26	215	14	340	35	206	7
VESSELS, MOTOR	407	9	-	-	-	-	32	-
GROSS TONNAGE	8,686	363	-	-	-	-	415	-
BOATS:								
MOTOR	321	-	90	9	291	33	90	7
OTHER	-	-	3	-	-	2	48	-
GEAR:								
NUMBER	842	9	777	141	18,075	630	4,578	90
YARDS AT MOUTH	14,501	81	-	-	-	-	-	-

ITEM	GILL NETS				LINES			DIP NETS, COMMON
	ANCHOR, SET OR STAKE	DRIFT		RUNAROUND	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	
		SHAD	OTHER					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	26	-	-	-	6	-	-	-
ON BOATS AND SHORE:								
REGULAR	441	-	-	236	-	-	293	100
CASUAL	387	170	18	116	14	8	86	50
TOTAL	854	170	18	352	20	8	379	150
VESSELS, MOTOR	10	-	-	-	2	-	-	-
GROSS TONNAGE	79	-	-	-	167	-	-	-
BOATS:								
MOTOR	537	50	-	183	7	8	343	100
OTHER	119	120	18	33	-	-	36	50
GEAR:								
NUMBER	2,827	170	18	206	20	8	379	150
SQUARE YARDS	915,092	68,000	11,360	163,400	-	-	-	-
HOOKS OR BAITS	-	-	-	-	40	1,600	582,100	-

ITEM	SPEARS	DREDGES			TONGS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
		CLAM	OYSTER, COMMON	SCALLOP				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	21	42	-	-	-	-	2,172
ON BOATS AND SHORE:								
REGULAR	-	18	440	18	52	-	50	2,456
CASUAL	75	-	-	-	45	249	206	1,527
TOTAL	75	39	482	18	97	249	256	6,155
VESSELS, MOTOR	-	9	22	-	-	-	-	496
GROSS TONNAGE	-	289	194	-	-	-	-	19,931
BOATS:								
MOTOR	-	12	220	18	37	50	90	2,099
OTHER	75	-	-	-	60	199	166	816
GEAR:								
NUMBER	75	21	242	36	97	249	-	-
YARDS AT MOUTH	-	27	328	36	-	-	-	-

NORTH CAROLINA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		BAG NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	288,100	$2,881	-	-	-	-
BLUEFISH	514,900	59,273	-	-	-	-
BUTTERFISH	110,700	11,070	-	-	-	-
CABIO	17,900	1,074	-	-	-	-
CARP	17,600	528	-	-	-	-
CATFISH AND BULLHEADS	80,500	6,440	-	-	-	-
CROAKER	330,000	32,222	-	-	-	-
DRUM:						
BLACK	21,200	1,272	-	-	-	-
RED	85,400	6,832	-	-	-	-
EELS, COMMON	100	4	-	-	-	-
FLOUNDERS	202,400	29,091	-	-	-	-
HARVESTFISH	12,200	854	-	-	-	-
HERRING, THREAD	-	-	4,127,900	$44,994	-	-
HICKORY SHAD	10,300	515	-	-	-	-
KING MACKEREL	12,400	2,480	-	-	-	-
KING WHITING OR "KINGFISH"	207,800	18,305	-	-	-	-
MENHADEN	29,900	326	221,524,800	2,414,620	-	-
MULLET	1,303,500	104,280	-	-	-	-
PIGFISH	152,600	9,030	-	-	-	-
POMPANO	5,100	1,530	-	-	-	-
SAND PERCH	600	18	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	204,200	15,272	-	-	-	-
SPOTTED	120,800	30,200	-	-	-	-
SHAD	40,900	10,225	-	-	-	-
SHARKS, UNCLASSIFIED	2,200	110	-	-	-	-
SHEEPSHEAD, SALT-WATER	10,100	808	-	-	-	-
SPADEFISH	2,300	184	-	-	-	-
SPANISH MACKEREL	81,900	12,285	-	-	-	-
SPOT	1,511,500	90,070	-	-	-	-
STRIPED BASS	123,300	19,728	47,700	7,632	-	-
STURGEON	18,000	2,700	-	-	-	-
SWELLFISH	900	27	-	-	-	-
WHITE PERCH	28,200	2,820	-	-	-	-
YELLOW PERCH	1,000	60	-	-	-	-
SHRIMP	-	-	-	-	50,000	$10,938
TURTLES, SNAPPER	6,400	1,152	-	-	-	-
TOTAL	5,554,900	473,666	225,700,400	2,467,246	50,000	10,938

SPECIES	OTTER TRAWLS		POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	10,288,100	$102,881	-	-	-	-
BLUEFISH	15,000	$1,200	7,300	1,095	-	-	-	-
BUTTERFISH	192,600	19,260	45,800	4,580	-	-	-	-
CARP	-	-	33,800	1,014	75,800	$2,274	23,500	$705
CATFISH AND BULLHEADS	-	-	108,700	8,696	76,500	6,120	746,600	59,728
CROAKER	1,227,100	97,160	131,200	7,872	-	-	-	-
DRUM:								
BLACK	53,000	3,180	-	-	-	-	-	-
RED	4,300	430	-	-	-	-	-	-
EELS, COMMON	-	-	300	12	-	-	56,300	2,252
FLOUNDERS	1,534,700	175,176	49,400	5,928	-	-	-	-
GROUPERS	400	28	-	-	-	-	-	-
GRUNTS	2,400	144	-	-	-	-	-	-
HARVESTFISH	6,900	483	22,000	1,540	-	-	-	-
HICKORY SHAD	-	-	139,000	6,950	-	-	1,200	60
JEWFISH	200	16	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	997,600	85,562	10,000	800	-	-	-	-
MENHADEN	-	-	700	7	-	-	-	-
PIGFISH	38,600	1,930	10,900	654	-	-	-	-
SAND PERCH	17,200	516	-	-	-	-	-	-
SCUP OR PORGY	234,000	18,720	-	-	-	-	-	-
SEA BASS	297,400	29,740	-	-	-	-	293,200	35,184
SEA TROUT OR WEAKFISH:								
GRAY	1,828,600	91,430	67,400	4,044	-	-	-	-
SPOTTED	-	-	9,500	2,375	-	-	-	-
SHAD	-	-	316,600	79,150	-	-	-	-
SNAPPER, RED	3,700	814	-	-	-	-	-	-
SPANISH MACKEREL	-	-	11,100	1,665	-	-	-	-
SPOT	366,300	14,652	7,800	468	-	-	-	-
STRIPED BASS	-	-	133,600	21,376	-	-	-	-
STURGEON	2,500	375	16,100	2,415	-	-	-	-
SWELLFISH	292,900	8,787	-	-	-	-	-	-
TUNA, LITTLE	900	45	-	-	-	-	-	-
WHITE PERCH	-	-	175,700	17,570	-	-	-	-
WHITING	2,800	112	-	-	-	-	-	-
YELLOW PERCH	-	-	19,200	1,152	17,900	1,074	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	10,159,800	69,373	-	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY GEAR, 1961 - Continued

SPECIES	OTTER TRAWLS		POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:								
HARD	3,370,200	$108,082	-	-	-	-	6,030,100	$241,204
SOFT AND PEELER.	89,800	31,430	-	-	-	-	-	-
SHRIMP	2,966,100	818,686	-	-	-	-	-	-
OCTOPUS.	100	8	-	-	-	-	300	45
SCALLOPS, CALICO	22,400	8,960	-	-	-	-	-	-
SQUID.	25,600	1,536	-	-	-	-	-	-
TURTLES, SNAPPER	-	-	-	-	-	-	22,300	4,014
TOTAL	23,753,100	1,587,835	11,604,200	$272,244	170,200	$9,468	7,173,500	343,192

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,368,100	$13,681	6,700	$67	100	$1
BLUEFISH	84,100	12,600	-	-	131,100	19,665
CARP	7,500	225	700	21	-	-
CATFISH AND BULLHEADS. . . .	23,000	1,840	100	8	-	-
CROAKER.	46,700	4,670	-	-	18,500	1,850
FLOUNDERS.	3,900	400	-	-	-	-
HICKORY SHAD	121,200	6,060	2,200	110	2,600	130
KING MACKEREL.	-	-	-	-	3,600	720
KING WHITING OR "KINGFISH" .	183,000	21,960	-	-	72,700	8,692
MULLET	321,800	25,744	15,200	1,216	553,000	44,240
PIGFISH.	-	-	-	-	26,000	1,560
PIKE OR PICKEREL	100	12	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	87,800	6,724	-	-	119,700	9,576
SPOTTED.	35,500	8,875	3,500	875	39,800	9,950
SHAD	293,600	73,400	19,700	4,925	2,400	600
SPANISH MACKEREL	5,900	885	-	-	14,700	2,205
SPOT	95,400	5,724	-	-	74,700	4,482
STRIPED BASS	240,300	38,448	3,300	528	1,500	240
STURGEON	2,300	345	200	30	1,000	150
WHITE PERCH.	139,700	13,970	2,400	240	500	50
YELLOW PERCH	1,900	114	-	-	-	-
TOTAL	3,061,800	235,677	54,000	8,020	1,061,900	104,111

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS. . . .	-	-	58,000	$4,640	-	-
DRUM, BLACK.	900	$54		-	-	-
GROUPERS	100	7	-	-	-	-
JEWFISH.	500	40	-	-	-	-
KING MACKEREL.	27,000	5,400	-	-	-	-
KING WHITING OR "KINGFISH" .	5,000	600	-	-	-	-
SCUP OR PORGY.	6,800	544	-	-	-	-
SEA BASS	44,000	5,280	-	-	-	-
SNAPPER, RED	2,200	473	-	-	-	-
SPANISH MACKEREL	20,000	3,000	-	-	-	-
CRABS, BLUE, HARD.	-	-	-	-	6,479,800	$259,192
TOTAL	106,500	15,398	58,000	4,640	6,479,800	259,192

SPECIES	DIP NETS		SPEARS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS.	-	-	106,300	$19,134	-	-
CRABS, BLUE, SOFT AND PEELER	11,000	$3,850	-	-	-	-
CLAMS, HARD, PUBLIC.	-	-	-	-	229,000	$91,600
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	225,900	150,862
FALL	-	-	-	-	312,300	206,314
SCALLOPS, BAY.	53,200	21,280	-	-	40,000	16,000
TOTAL	64,200	25,130	106,300	19,134	807,200	464,776

SPECIES	TONGS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC.	-	-	261,400	$104,560	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	47,800	$28,335	-	-	185,800	$54,344
FALL	67,400	39,705	-	-	254,200	75,381
PRIVATE:						
SPRING	40,000	22,800	-	-	13,300	5,174
FALL	36,700	20,919	-	-	25,700	11,633
SCALLOPS, BAY.	-	-	12,500	5,000	-	-
TOTAL	191,900	111,759	273,900	109,560	479,000	146,532

SOUTH CAROLINA

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		
		CRAB	FISH	SHRIMP
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	6	7	471
ON BOATS AND SHORE:				
REGULAR	-	18	4	231
CASUAL	436	-	-	-
TOTAL	436	24	11	702
VESSELS, MOTOR	-	3	3	224
GROSS TONNAGE	-	98	112	5,972
BOATS:				
MOTOR	4	9	2	133
OTHER	14	-	-	-
GEAR:				
NUMBER	18	13	5	495
LENGTH, YARDS	3,740	-	-	-
YARDS AT MOUTH	-	221	98	8,711

ITEM	POTS AND TRAPS		GILL NETS	
	CRAB	FISH	ANCHOR, SET OR STAKE	DRIFT, SHAD
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	10	-	-
ON BOATS AND SHORE:				
REGULAR	112	61	14	10
CASUAL	-	-	152	101
TOTAL	112	71	166	111
VESSELS, MOTOR	-	4	-	-
GROSS TONNAGE	-	167	-	-
BOATS, MOTOR	112	53	166	101
GEAR:				
NUMBER	7,050	3,405	309	111
SQUARE YARDS	-	-	42,883	14,936

ITEM	LINES			CAST NETS
	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	4	-	-	-
ON BOATS AND SHORE:				
REGULAR	24	-	163	-
CASUAL	10	22	-	32
TOTAL	38	22	163	32
VESSELS, MOTOR	1	-	-	-
GROSS TONNAGE	12	-	-	-
BOATS:				
MOTOR	8	16	101	31
OTHER	-	-	35	1
GEAR:				
NUMBER	42	16	146	32
HOOKS OR BAITS	84	4,000	102,000	-

ITEM	SPEARS	GRABS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	473
ON BOATS AND SHORE:					
REGULAR	16	173	10	98	793
CASUAL	5	20	24	17	776
TOTAL	21	193	34	115	2,042
VESSELS, MOTOR	-	-	-	-	224
GROSS TONNAGE	-	-	-	-	5,972
BOATS:					
MOTOR	13	174	29	104	975
OTHER	-	19	5	11	85
GEAR, NUMBER	21	193	34	-	-

SOUTH CAROLINA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	800	$96	-	-	-	-
CATFISH AND BULLHEADS	-	-	-	-	285,600	$25,704
CROAKER	2,800	112	10,500	$420	-	-
DRUM, RED	900	225	-	-	-	-
FLOUNDERS	-	-	66,400	13,280	-	-
GRUNTS	-	-	21,000	840	-	-
KING WHITING OR "KINGFISH"	-	-	144,800	14,480	-	-
MULLET	2,839,600	255,564	-	-	-	-
POMPANO	48,600	19,440	1,100	275	-	-
SEA BASS	-	-	29,000	5,800	226,600	45,320
SEA TROUT OR WEAKFISH:						
GRAY	-	-	23,300	1,142	-	-
SPOTTED	21,900	5,475	-	-	-	-
SHAD	2,800	896	-	-	-	-
SHARKS, UNCLASSIFIED	10,600	1,060	9,500	950	-	-
SNAPPER, VERMILION	-	-	25,000	1,250	-	-
SPOT	3,427,200	205,632	41,300	1,652	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	29,300	293	56,900	569	-	-
CRABS, BLUE, HARD	-	-	392,700	14,668	2,586,400	103,456
SHRIMP	-	-	3,884,400	1,293,688	-	-
TOTAL	6,384,500	488,793	4,705,900	1,349,014	3,098,600	174,480

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	100	$12
DRUM, BLACK	-	-	-	-	3,000	180
FLOUNDERS	-	-	-	-	16,600	4,150
GROUPERS	-	-	-	-	5,900	295
HICKORY SHAD	1,000	$58	-	-	-	-
KING MACKEREL	-	-	-	-	1,300	182
KING WHITING OR "KINGFISH"	-	-	-	-	215,300	32,295
SEA BASS	-	-	-	-	68,600	13,134
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	1,500	120
SPOTTED	-	-	-	-	20,000	5,000
SHAD	62,900	20,128	43,800	$14,016	-	-
SHARKS, UNCLASSIFIED	-	-	-	-	1,800	180
SHEEPSHEAD, SALT-WATER	-	-	-	-	15,200	1,216
SNAPPER, RED	-	-	-	-	113,000	16,043
SPANISH MACKEREL	-	-	-	-	4,000	558
STURGEON	50,800	8,636	-	-	-	-
TOTAL	114,700	28,822	43,800	14,016	466,300	73,365

SPECIES	LINES - CONTINUED				CAST NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	33,200	$2,988	-	-	-	-
CRABS, BLUE, HARD	-	-	1,693,000	$67,720	-	-
SHRIMP	-	-	-	-	22,400	$7,492
TOTAL	33,200	2,988	1,693,000	67,720	22,400	7,492

SPECIES	SPEARS		GRABS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	12,100	$2,420	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	14,200	2,840	-	-	-	-	-	-
CLAMS, HARD, PUBLIC	-	-	-	-	108,700	$38,045	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	844,200	$369,750	-	-	857,200	$362,535
FALL	-	-	413,300	181,305	-	-	429,600	181,620
TOTAL	26,300	5,260	1,257,500	551,055	108,700	38,045	1,286,800	544,155

SOUTH ATLANTIC FISHERIES
GEORGIA

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS AND TRAPS	
		CRAB	SHRIMP	CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	46	631	-	-
ON BOATS AND SHORE:					
REGULAR	4	30	118	187	25
CASUAL	11	-	343	16	70
TOTAL	15	76	1,092	203	95
VESSELS, MOTOR	-	23	312	-	-
GROSS TONNAGE	-	562	9,027	-	-
BOATS, MOTOR	5	15	270	162	80
GEAR:					
NUMBER	5	46	769	9,960	597
LENGTH, YARDS	825	-	-	-	-
YARDS AT MOUTH	-	749	9,557	-	-

ITEM	GILL NETS		LINES		
	ANCHOR, SET OR STAKE	DRIFT, SHAD	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	2	-	-
ON BOATS AND SHORE:					
REGULAR	30	145	-	33	2
CASUAL	195	283	83	105	-
TOTAL	225	428	85	138	2
VESSELS, MOTOR	-	-	1	-	-
GROSS TONNAGE	-	-	43	-	-
BOATS:					
MOTOR	171	350	39	117	2
OTHER	2	10	-	-	-
GEAR:					
NUMBER	220	373	85	655	3
SQUARE YARDS	60,409	185,200	-	-	-
HOOKS OR BAITS	-	-	172	32,750	2,150

ITEM	DIP NETS, DROP	CAST NETS	GRABS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	633
ON BOATS AND SHORE:					
REGULAR	45	-	40	18	510
CASUAL	-	3	9	9	885
TOTAL	45	3	49	27	2,028
VESSELS, MOTOR	-	-	-	-	313
GROSS TONNAGE	-	-	-	-	9,070
BOATS:					
MOTOR	39	3	18	10	965
OTHER	-	-	31	17	33
GEAR, NUMBER	2,975	3	49	-	-

CRAB TROT LINE

GEORGIA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	1,700	$102
CATFISH AND BULLHEADS	-	-	-	-	70,000	9,800
DRUM:						
BLACK	-	-	900	$90	-	-
RED	-	-	1,000	150	-	-
EELS, COMMON	-	-	-	-	1,500	120
FLOUNDERS	1,300	$260	35,500	3,550	-	-
KING WHITING OR "KINGFISH"	-	-	246,800	19,744	-	-
SEA BASS	-	-	800	80	-	-
SEA TROUT OR WEAKFISH, SPOTTED	500	125	-	-	-	-
SNAPPER, RED	-	-	800	200	-	-
SPOT	-	-	100	6	-	-
STRIPED BASS	-	-	200	30	-	-
STURGEON	-	-	900	180	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	378,600	7,024	-	-
CRABS, BLUE, HARD	-	-	3,965,300	116,282	7,653,800	306,152
SHRIMP	-	-	6,806,600	2,369,648	-	-
TOTAL	1,800	385	11,437,500	2,516,984	7,727,000	316,174

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	-	-	500	$40
BLUEFISH	-	-	-	-	500	75
BOWFIN	-	-	3,200	$192	-	-
CARP	-	-	1,700	119	-	-
GROUPERS	-	-	-	-	800	48
HICKORY SHAD	-	-	2,900	58	-	-
SEA TROUT OR WEAKFISH, SPOTTED	-	-	-	-	1,200	300
SHAD	182,200	$41,906	222,000	51,060	-	-
SNAPPER, RED	-	-	-	-	1,900	475
STRIPED BASS	-	-	-	-	1,200	240
STURGEON	2,900	580	300	60	-	-
TOTAL	185,100	42,486	230,100	51,489	6,100	1,178

SPECIES	LINES - CONTINUED				DIP NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	89,100	$12,474	-	-	-	-
CRABS, BLUE, HARD	-	-	148,600	$5,944	544,500	$21,780
TOTAL	89,100	12,474	148,600	5,944	544,500	21,780

SPECIES	CAST NETS		GRABS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHRIMP	3,500	$1,333	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	47,900	$12,696	48,000	$12,718
FALL	-	-	31,300	11,118	31,300	11,118
TOTAL	3,500	1,333	79,200	23,814	79,300	23,836

BLUE CRAB

SOUTH ATLANTIC FISHERIES
FLORIDA, EAST COAST

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, SHRIMP	POUND NETS	FYKE AND HOOP NETS, FISH	POTS AND TRAPS	
							CRAB	
		MENHADEN	OTHER				BLUE	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	60	-	961	-	-	-	3
ON BOATS AND SHORE:								
REGULAR	108	-	2	39	4	14	122	4
CASUAL	-	-	-	-	-	-	26	-
TOTAL	108	60	2	1,000	4	14	148	7
VESSELS, MOTOR	-	3	-	442	-	-	-	1
GROSS TONNAGE	-	422	-	16,623	-	-	-	21
BOATS:								
MOTOR	28	6	1	23	2	10	146	3
OTHER	8	3	-	-	-	-	-	-
GEAR:								
NUMBER	28	3	1	868	5	174	11,540	850
LENGTH, YARDS	12,070	1,200	200	-	-	-	-	-
YARDS AT MOUTH	-	-	-	12,562	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS				TRAMMEL NETS	LINES
			ANCHOR, SET OR STAKE	DRIFT		RUNAROUND		
	FISH	LOBSTER, SPINY		SHAD	OTHER			HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	13	-	-	-	19	-	102
ON BOATS AND SHORE:								
REGULAR	166	88	8	21	31	373	23	239
CASUAL	34	-	-	5	-	53	-	404
TOTAL	200	101	8	26	31	445	23	745
VESSELS, MOTOR	-	5	-	-	-	6	-	38
GROSS TONNAGE	-	48	-	-	-	55	-	794
BOATS:								
MOTOR	200	50	4	18	20	253	15	411
OTHER	-	-	-	-	-	47	-	-
GEAR:								
NUMBER	7,195	13,360	20	18	20	306	15	745
SQUARE YARDS	-	-	12,500	21,700	22,200	530,250	14,400	-
HOOKS	-	-	-	-	-	-	-	875

ITEM	LINES - CONTINUED		CAST NETS	SPEARS	DREDGES, SCALLOP	TONGS	BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL	LONG OR SET WITH HOOKS					OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS	4	-	-	-	2	-	-	-	1,098
ON BOATS AND SHORE:									
REGULAR	220	430	7	-	-	5	17	6	1,452
CASUAL	230	73	10	1	-	2	2	1	574
TOTAL	454	503	17	1	2	7	19	7	3,124
VESSELS, MOTOR	1	-	-	-	1	-	-	-	469
GROSS TONNAGE	19	-	-	-	33	-	-	-	17,075
BOATS:									
MOTOR	316	503	16	-	-	5	17	7	1,483
OTHER	-	-	-	-	-	-	-	-	58
GEAR:									
NUMBER	533	519	17	1	1	7	-	-	-
HOOKS	533	518,600	-	-	-	-	-	-	-
YARDS AT MOUTH	-	-	-	-	3	-	-	-	-

NOTE:--INCLUDES OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA.

FLORIDA, EAST COAST - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BALLYHOO	-	-	3,400	$476	-	-
BLUEFISH	300	$29	-	-	-	-
BLUE RUNNER	700	49	-	-	-	-
CABIO	-	-	-	-	300	$26
CREVALLE	300	9	-	-	-	-
CROAKER	23,500	3,055	-	-	-	-
DRUM:						
BLACK	38,200	3,056	-	-	200	16
RED	21,400	2,932	-	-	-	-
FLOUNDERS	300	44	-	-	165,800	24,207
KING WHITING OR "KINGFISH"	307,600	25,531	-	-	663,400	55,062
MENHADEN	6,900	172	32,548,600	262,934	-	-
MOJARRA	58,500	5,031	-	-	-	-
MULLET, BLACK	3,100	149	-	-	-	-
POMPANO	600	420	-	-	-	-
SEA CATFISH	13,200	792	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	100	11	-	-	-	-
SPOTTED	1,000	239	-	-	-	-
SHAD	320,300	52,529	-	-	-	-
SNAPPER, MANGROVE	400	73	-	-	-	-
SPANISH MACKEREL	500	52	-	-	-	-
SPOT	74,200	8,607	-	-	16,500	1,914
TRIPLETAIL	5,800	313	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	11,700	795	-	-	19,300	1,312
BAIT, REDUCTION, AND ANIMAL FOOD	130,000	2,859	-	-	249,300	5,485
CRABS, BLUE, HARD	-	-	-	-	87,100	4,006
SHRIMP	-	-	-	-	6,007,200	2,434,014
SQUID	-	-	-	-	3,900	585
TURTLES:						
GREEN	-	-	-	-	200	30
LOGGERHEAD	-	-	-	-	1,000	150
TOTAL	1,018,600	106,747	32,552,000	263,410	7,214,200	2,526,807

SPECIES	POUND NETS		FYKE AND HOOP NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	61,600	$8,193	307,800	$40,938	2,971,700	$411,748
CRABS:						
BLUE:						
HARD	-	-	-	-	7,398,500	340,332
SOFT AND PEELER	-	-	-	-	400	200
STONE	-	-	-	-	25,300	8,729
LOBSTERS, SPINY	-	-	-	-	702,000	248,507
TOTAL	61,600	8,193	307,800	40,938	11,097,900	1,009,516

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,200	$66	-	-
BLUEFISH	-	-	42,300	4,018	764,700	$72,646
BLUE RUNNER	-	-	-	-	1,500	105
CREVALLE	-	-	-	-	30,400	912
CROAKER	-	-	-	-	75,900	9,867
DRUM:						
BLACK	-	-	-	-	9,300	744
RED	-	-	-	-	71,700	9,823
FLOUNDERS	-	-	-	-	200	30
KING MACKEREL	-	-	-	-	15,800	2,054
KING WHITING OR "KINGFISH"	-	-	-	-	66,000	5,479
MENHADEN	-	-	3,000	75	386,600	9,663
MOJARRA	-	-	-	-	7,400	636
MULLET:						
BLACK	-	-	10,000	480	2,618,000	125,664
SILVER	-	-	-	-	182,700	12,241
PERMIT	-	-	-	-	300	30
PIGFISH	-	-	-	-	3,000	300
POMPANO	-	-	18,400	12,880	28,000	19,600
SEA CATFISH	-	-	-	-	3,500	210
SEA TROUT OR WEAKFISH:						
GRAY	100	$11	6,400	678	39,500	4,187
SPOTTED	500	120	15,700	3,752	668,300	159,722

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - CATCH BY GEAR, 1961 - Continued

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHAD	37,800	$6,199	67,200	$11,021	-	-
SHEEPSHEAD, SALT-WATER	-	-	-	-	31,000	$2,107
SNAPPER, MANGROVE	-	-	-	-	4,500	823
SPANISH MACKEREL	-	-	1,800	185	3,058,800	315,057
SPOT	-	-	-	-	808,600	93,796
TENPOUNDER	-	-	-	-	400	12
TRIPLETAIL	-	-	-	-	3,000	162
UNCLASSIFIED:						
FOR FOOD	-	-	4,800	326	211,600	14,389
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	6,500	143	94,700	2,083
TOTAL	38,400	6,330	178,300	33,624	9,185,400	862,342

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	5,200	$208	-	-
BARRACUDA	-	-	400	13	500	$16
BLUEFISH	1,000	$96	75,000	7,124	95,800	9,103
BLUE RUNNER	400	28	33,200	2,324	2,700	189
BONITO	-	-	-	-	600	36
CABIO	-	-	6,500	566	-	-
CREVALLE	7,300	219	50,000	1,500	-	-
CROAKER	18,300	2,379	25,000	3,250	-	-
DOLPHIN	-	-	100	12	7,000	811
DRUM:						
BLACK	3,400	272	12,400	992	-	-
RED	1,200	164	20,200	2,768	-	-
FLOUNDERS	-	-	2,700	395	-	-
GROUPERS	-	-	256,900	28,259	-	-
GRUNTS	-	-	24,200	1,767	-	-
HOGFISH	-	-	1,600	272	-	-
[illegible]FISH	-	-	16,200	1,265	-	-
KING MACKEREL	-	-	28,000	3,640	2,032,300	264,199
KING WHITING OR "KINGFISH"	2,000	166	22,300	1,853	-	-
MENHADEN	5,000	125	-	-	-	-
MOJARRA	15,800	1,359	62,800	5,402	-	-
MULLET:						
BLACK	4,000	192	-	-	-	-
SILVER	2,400	161	-	-	-	-
PERMIT	-	-	100	10	-	-
PIGFISH	-	-	300	30	-	-
POMPANO	93,900	65,730	24,600	17,220	-	-
SCUP OR PORGY	-	-	11,700	620	-	-
SEA BASS	-	-	22,900	2,358	-	-
SEA CATFISH	-	-	900	54	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	7,900	837	3,200	339
SPOTTED	1,000	240	51,100	12,214	11,900	2,847
SHEEPSHEAD, SALT-WATER	-	-	22,800	1,551	-	-
SNAPPER:						
MANGROVE	-	-	47,400	8,676	-	-
MUTTON	-	-	46,000	9,660	-	-
RED	-	-	678,200	187,183	-	-
VERMILION	-	-	19,900	4,975	-	-
YELLOWTAIL	-	-	95,000	23,276	-	-
SPANISH MACKEREL	1,000	103	41,000	4,223	55,200	5,687
SPOT	8,600	998	20,700	2,401	-	-
TENPOUNDER	-	-	1,800	54	-	-
TRIGGERFISH	-	-	3,000	180	-	-
TRIPLETAIL	-	-	2,000	108	-	-
WARSAW	-	-	7,400	518	-	-
UNCLASSIFIED:						
FOR FOOD	1,000	68	28,700	1,952	3,200	218
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	12,400	273	-	-
TOTAL	166,300	72,300	1,788,500	339,983	2,212,400	283,445

(CONTINUED ON NEXT PAGE)

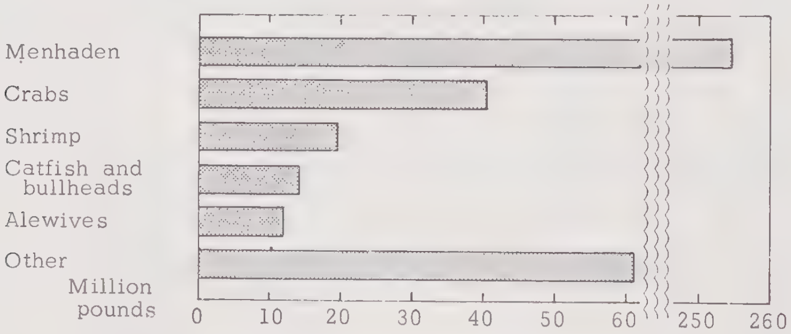
FLORIDA, EAST COAST - CATCH BY GEAR, 1961 - Continued

SPECIES	LINES - CONTINUED		CAST NETS		SPEARS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS. . . .	9,342,300	$1,299,644	-	-	-	-
FLOUNDERS.	-	-	-	-	200	$29
MOJARRA.	-	-	1,500	$129	-	-
MULLET, BLACK.	-	-	9,100	437	-	-
SHRIMP	-	-	8,300	3,338	-	-
TURTLES, SOFT-SHELL.	457,900	22,895	-	-	-	-
TOTAL.	9,800,200	1,322,539	18,900	3,904	200	29

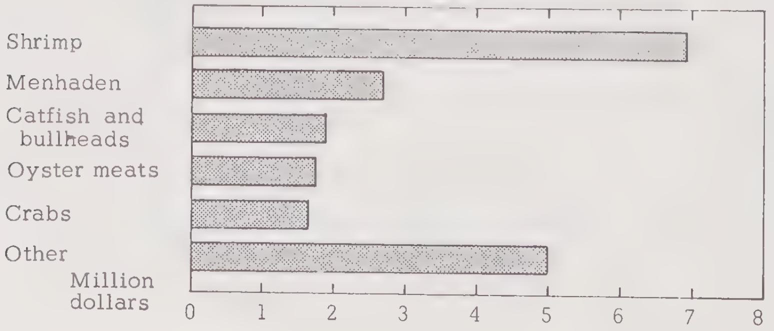
SPECIES	DREDGES		TONGS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC.	-	-	-	-	4,200	$1,386
CONCHS	-	-	-	-	200	60
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	15,800	$4,645	13,000	3,821
FALL	-	-	2,700	794	6,700	1,970
PRIVATE:						
SPRING	-	-	3,300	970	12,700	3,733
FALL	-	-	2,100	617	16,300	4,793
SCALLOPS, CALICO	3,600	$1,440	-	-	-	-
TOTAL.	3,600	1,440	23,900	7,026	53,.100	15,763

NOTE:--INCLUDES THE CATCH FOR THE INLAND LAKES OF FLORIDA.

SOUTH ATLANTIC STATES CATCH, 1961



VALUE OF SOUTH ATLANTIC STATES CATCH, 1961



SOUTH ATLANTIC FISHERIES

SUPPLEMENTARY TABLES

FLORIDA - OPERATING UNITS BY DISTRICTS, 1961

ITEM	EAST COAST	WEST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	1,098	3,411	4,152
ON BOATS AND SHORE:			
REGULAR	1,452	2,678	4,130
CASUAL	574	1,300	1,874
TOTAL	3,124	7,389	10,156
VESSELS, MOTOR	469	1,141	1,433
GROSS TONNAGE	17,075	46,132	55,580
BOATS:			
MOTOR	1,483	2,946	4,429
OTHER	58	229	287
GEAR:			
HAUL SEINES, COMMON	28	53	81
LENGTH, YARDS	12,070	38,500	50,570
PURSE SEINES:			
MENHADEN	3	2	5
LENGTH, YARDS	1,200	800	2,000
OTHER	1	2	3
LENGTH, YARDS	200	400	600
OTTER TRAWLS, SHRIMP	868	1,750	2,294
YARDS AT MOUTH	12,562	26,868	34,813
POUND NETS, FISH	5	-	5
FYKE AND HOOP NETS, FISH	174	-	174
POTS AND TRAPS:			
CRAB:			
BLUE	11,540	30,358	41,898
OTHER	850	13,604	14,454
FISH	7,195	216	7,411
LOBSTERS, SPINY	13,360	38,990	52,100
GILL NETS:			
ANCHOR, SET OR STAKE	20	7	27
SQUARE YARDS	12,500	3,600	16,100
DRIFT:			
SHAD	18	-	18
SQUARE YARDS	21,700	-	21,700
OTHER	20	22	42
SQUARE YARDS	22,200	61,500	83,700
RUNAROUND	306	981	1,285
SQUARE YARDS	530,250	1,374,340	1,898,290
TRAMMEL NETS	15	288	303
SQUARE YARDS	14,400	358,970	373,370
LINES:			
HAND	745	2,605	3,339
HOOKS	875	5,816	6,674
TROLL	533	1,648	2,181
HOOKS	533	1,648	2,181
LONG OR SET WITH HOOKS	519	23	542
HOOKS	518,600	19,640	538,240
TROT WITH BAITS	-	46	46
BAITS	-	29,100	29,100
DIP NETS:			
COMMON	-	37	37
DROP	-	60	60
CAST NETS	17	30	47
SPEARS	1	50	51
DREDGES, SCALLOP	1	32	33
YARDS AT MOUTH	3	32	35
TONGS:			
OYSTER	7	569	576
OTHER	-	2	2
RAKES	-	6	6
HOOKS, SPONGE	-	84	84
DIVING OUTFITS, SPONGE	-	12	12

NOTE:--A TOTAL OF 445 FISHERMEN OPERATING IN 445 MOTOR BOATS FISHED 6,595 FISH POTS AND TRAPS AND 440 TROTLINES WITH 456,600 HOOKS IN THE INLAND LAKES OF FLORIDA. THESE OPERATING UNITS ARE INCLUDED WITH THOSE OF THE EAST COAST OF FLORIDA.

FLORIDA - CATCH BY DISTRICTS, 1961

SPECIES	EAST COAST		WEST COAST		TOTAL	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	2,200	$66	280,800	$11,232	283,000	$11,298
AMBERJACK	5,200	208	6,900	311	12,100	519
BALLYHOO	3,400	476	61,800	8,652	65,200	9,128
BARRACUDA	900	29	8,500	451	9,400	480
BLUEFISH	979,100	93,016	623,900	68,629	1,603,000	161,645
BLUE RUNNER	38,500	2,695	946,600	39,756	985,100	42,451
BONITO	600	36	2,500	150	3,100	186
CABIO	6,800	592	15,000	841	21,800	1,433
CATFISH AND BULLHEADS	12,683,400	1,760,523	21,800	3,445	12,705,200	1,763,968
CIGARFISH	-	-	323,100	22,617	323,100	22,617
CREVALLE	88,000	2,640	535,400	14,975	623,400	17,615
CROAKER	142,700	18,551	23,000	1,883	165,700	20,434
DOLPHIN	7,100	823	23,700	1,469	30,800	2,292
DRUM:						
BLACK	63,500	5,080	74,900	3,296	138,400	8,376
RED	114,500	15,687	847,500	95,771	962,000	111,458
FLOUNDERS	169,200	24,705	148,500	24,502	317,700	49,207
GROUPERS	256,900	28,259	6,370,500	643,420	6,627,400	671,679
GRUNTS	24,200	1,767	85,300	5,374	109,500	7,141
HOGFISH	1,600	272	35,300	5,260	36,900	5,532
JEWFISH	16,200	1,265	50,600	3,642	66,800	4,907
KING MACKEREL	2,076,100	269,893	1,683,100	175,043	3,759,200	444,936
KING WHITING OR "KINGFISH"	1,061,300	88,091	178,700	11,614	1,240,000	99,705
MENHADEN	32,950,100	272,969	3,375,200	32,160	36,325,300	305,129
MOJARRA	146,000	12,557	76,000	4,559	222,000	17,116
MULLET:						
BLACK	2,644,200	126,922	32,964,000	1,813,022	35,608,200	1,939,944
SILVER	185,100	12,402	470,600	29,650	655,700	42,052
PERMIT	400	40	19,600	1,864	20,000	1,904
PIGFISH	3,300	330	4,300	304	7,600	634
POMPANO	165,500	115,850	528,000	374,880	693,500	490,730
SCUP OR PORGY	11,700	620	48,400	3,532	60,100	4,152
SEA BASS	22,900	2,358	-	-	22,900	2,358
SEA CATFISH	17,600	1,056	225,400	14,202	243,000	15,258
SEA TROUT OR WEAKFISH:						
GRAY	57,200	6,063	-	-	57,200	6,063
SPOTTED	749,500	179,134	2,380,800	557,108	3,130,300	736,242
WHITE	-	-	251,500	22,885	251,500	22,885
SHAD	425,300	69,749	-	-	425,300	69,749
SHARKS, UNCLASSIFIED	-	-	685,200	11,649	685,200	11,649
SHEEPSHEAD, SALT-WATER	53,800	3,658	63,600	5,596	117,400	9,254
SNAPPER:						
MANGROVE	52,300	9,572	262,100	40,100	314,400	49,672
MUTTON	46,000	9,660	89,900	17,622	135,900	27,282
RED	678,200	187,183	5,445,900	1,448,609	6,124,100	1,635,792
VERMILION	19,900	4,975	21,600	3,888	41,500	8,863
YELLOWTAIL	95,000	23,276	639,900	140,778	734,900	164,054
SPANISH MACKEREL	3,158,300	325,307	3,988,100	382,859	7,146,400	708,166
SPANISH SARDINE	-	-	36,500	730	36,500	730
SPOT	928,600	107,716	233,700	12,619	1,162,300	120,335
STURGEON	-	-	13,700	2,343	13,700	2,343
TENPOUNDER	2,200	66	388,600	12,822	390,800	12,888
TILEFISH	-	-	1,200	120	1,200	120
TRIGGERFISH	3,000	180	6,500	332	9,500	512
TRIPLETAIL	10,800	583	2,700	148	13,500	731
WARSAW	7,400	518	188,100	10,723	195,500	11,241
UNCLASSIFIED:						
FOR FOOD	280,300	19,060	918,300	68,872	1,198,600	87,932
BAIT, REDUCTION, AND ANIMAL FOOD	492,900	10,843	554,100	12,745	1,047,000	23,588
TOTAL FISH	60,948,900	3,817,321	66,230,900	6,169,054	127,179,800	9,986,375
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	7,485,600	344,338	17,129,500	736,573	24,615,100	1,080,911
SOFT AND PEELER	400	200	5,100	2,550	5,500	2,750
STONE	25,300	8,729	453,300	155,935	478,600	164,664
TOTAL CRABS	7,511,300	353,267	17,587,900	895,058	25,099,200	1,248,325
LOBSTERS, SPINY	702,000	248,507	2,101,400	720,780	2,803,400	969,287
SHRIMP	6,015,500	2,437,352	36,068,600	11,093,751	42,084,100	13,531,103
CLAMS, HARD, PUBLIC	4,200	1,386	15,200	5,462	19,400	6,848
CONCHS	200	60	1,400	420	1,600	480

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA - CATCH BY DISTRICTS, 1961 - Continued

SPECIES	EAST COAST		WEST COAST		TOTAL	
SHELLFISH, ETC. - CONTINUED	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:						
PUBLIC:						
SPRING	28,800	$8,466	773,000	$245,041	801,800	$253,507
FALL	9,400	2,764	1,725,600	547,015	1,735,000	549,779
PRIVATE:						
SPRING	16,000	4,703	424,600	134,598	440,600	139,301
FALL	18,400	5,410	330,900	104,895	349,300	110,305
TOTAL OYSTERS	72,600	21,343	3,254,100	1,031,549	3,326,700	1,052,892
SCALLOPS:						
BAY	-	-	36,300	13,902	36,300	13,902
CALICO	3,600	1,440	-	-	3,600	1,440
SQUID	3,900	585	13,200	1,069	17,100	1,654
TURTLES:						
GREEN	200	30	30,300	4,539	30,500	4,569
LOGGERHEAD	1,000	150	2,700	405	3,700	555
SOFT-SHELL	457,900	22,895	-	-	457,900	22,895
SPONGES:						
GRASS	-	-	100	801	100	801
SHEEPSWOOL	-	-	35,500	361,587	35,500	361,587
YELLOW	-	-	1,300	4,258	1,300	4,258
TOTAL SHELLFISH, ETC.	14,772,400	3,087,015	59,148,000	14,133,581	73,920,400	17,220,596
GRAND TOTAL	75,721,300	6,904,336	125,378,900	20,302,635	201,100,200	27,206,971

NOTE:--THE CATCH OF 10,513,200 POUNDS OF CATFISH AND BULLHEADS (VALUED AT $1,471,848) AND 444,500 POUNDS OF SOFT-SHELL TURTLES (VALUED AT $22,225) TAKEN FROM THE INLAND LAKES IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.

SHRIMP TRAWLER

SOUTH ATLANTIC FISHERIES

SOUTH ATLANTIC SHRIMP FISHERY

Landings of shrimp at ports in the South Atlantic States during 1961 totaled 11.8 million pounds, heads-off weight, with a dockside value of $6.9 million. Compared with the previous year, this was a decline of 37 percent in volume and 18 percent in value. The 1961 landings were the smallest for any year in which data have been collected by the Bureau of Commercial Fisheries in the South Atlantic States since 1918.

Georgia again led in the production of shrimp with landings of 4.1 million pounds, heads-off, followed by East Coast of Florida, 3.6 million; South Carolina, 2.3 million; and North Carolina, 1.8 million.

The average price per pound, heads-off, for shrimp delivered at the dock, all States combined, increased from approximately 46 cents during 1960, to 59 cents during 1961. The increase in price only partly compensated for the greatly reduced catches.

A comparison of the species composition of the 1960 and 1961 landings indicates that the greatest decline occurred in landings of brown shrimp (Penaeus aztecus), which decreased over 4 million pounds, or 72 percent; and white shrimp (Penaeus setiferus) down 3 million pounds, or 25 percent. A slight increase of 326,000 pounds occurred in the landings of pink shrimp (Penaeus duorarum).

There were no significant changes in the count size composition of the landings as compared with the previous year. The 31-40 (heads-off) count size category accounted for 26 percent of the landings; 26-30 count, 23 percent; and 15-25 count, 21 percent. The remaining 30 percent of the landings consisted of 41-and-over count shrimp.

The quantities shown in the following tables are based on the heads-off weight of the shrimp and are not directly comparable with the volume data published in the General Review, regional tables, or the Review of Certain Major Fisheries, which represent the round weight of the catch. The pounds of heads-off shrimp may be converted to heads-on weight by multiplying by 1.68.

Information on the landings of shrimp in the South Atlantic States contained in the following tables has been previously published in Current Fishery Statistics No. 2957. Monthly data on landings of shrimp in the Gulf States by species, size, volume, and landed value in each State; the number of fishing trips; days fished; and the catch by area, depth, and size of shrimp are included in Section 6 of this Digest.

SUMMARY OF SHRIMP LANDINGS, 1961

SIZE	BROWN		PINK		WHITE		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
15 - 20	74,404	$54,314	47,016	$34,250	321,790	$266,387	443,210	$354,951
21 - 25	118,935	78,791	27,465	18,401	1,827,830	1,352,488	1,974,230	1,449,680
26 - 30	479,484	286,297	56,990	34,193	2,218,356	1,509,433	2,754,830	1,829,923
31 - 40	484,818	246,563	231,061	120,084	2,384,959	1,452,374	3,100,838	1,819,021
41 - 50	233,039	96,889	299,560	131,430	1,157,491	600,633	1,690,090	828,952
51 - 67	124,585	42,922	272,055	93,708	682,615	290,414	1,079,255	427,044
68 AND OVER . .	34,806	8,704	158,242	39,987	519,542	180,862	712,590	229,553
TOTAL. . .	1,550,071	814,480	1,092,389	472,053	9,112,583	5,652,591	11,755,043	6,939,124

NORTH CAROLINA SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH		APRIL		MAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PINK:										
15 - 20.	146	$91	50	$31	-	-	-	-	-	-
41 - 50.	-	-	-	-	-	-	-	-	8,022	$4,165
51 - 67.	-	-	-	-	-	-	-	-	12,721	5,343
TOTAL	146	91	50	31	-	-	-	-	20,743	9,508
TOTAL, 1961 . .	146	91	50	31	-	-	-	-	20,743	9,508
TOTAL, 1960 . .	1,251	550	520	239	-	-	622	$298	96,756	35,975

SPECIES AND SIZE	JUNE		JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20.	-	-	-	-	24,744	$18,062	40,781	$29,769
21 - 25.	-	-	-	-	35,476	23,768	10,553	7,072
26 - 30.	-	-	-	-	68,166	41,268	8,043	4,906
31 - 40.	-	-	12,009	$6,243	118,139	55,969	31,209	16,853
41 - 50.	-	-	58,445	25,131	32,561	12,368	18,210	8,195
51 - 67.	-	-	9,607	3,170	10,183	3,343	17,868	6,075
68 AND OVER. . . .	-	-	-	-	5,739	1,434	7,068	1,768
TOTAL	-	-	80,061	34,544	295,008	156,212	133,732	74,638
PINK:								
15 - 20.	-	-	-	-	11,030	8,001	16,595	12,115
21 - 25.	-	-	-	-	18,400	12,328	7,118	4,769
26 - 30.	-	-	18,976	11,005	30,120	18,371	3,609	2,324
31 - 40.	-	-	85,992	44,716	49,465	23,744	6,981	3,768
41 - 50.	60,757	$27,340	162,206	69,749	10,455	4,020	6,604	2,972
51 - 67.	73,995	25,897	62,529	20,635	5,306	1,750	8,836	3,003
68 AND OVER. . . .	27,019	6,756	17,800	4,452	3,073	767	5,957	1,491
TOTAL	161,771	59,993	347,503	150,557	127,849	68,981	55,900	30,442
WHITE:								
26 - 30.	-	-	-	-	-	-	3,256	1,987
31 - 40.	-	-	-	-	-	-	27,114	14,641
41 - 50.	-	-	-	-	-	-	9,302	4,186
51 - 67.	-	-	-	-	-	-	532	181
TOTAL	-	-	-	-	-	-	40,204	20,995
TOTAL, 1961 . .	161,771	59,993	427,564	185,101	422,857	225,193	229,836	126,075
TOTAL, 1960 . .	240,372	98,268	1,387,193	578,086	989,333	539,005	396,544	187,225

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20.	8,879	$6,483	-	-	-	-	74,404	$54,314
21 - 25.	649	435	-	-	-	-	46,678	31,275
26 - 30.	1,485	906	-	-	-	-	77,694	47,080
31 - 40.	22,729	12,274	-	-	-	-	184,086	91,339
41 - 50.	8,461	3,806	-	-	-	-	117,677	49,500
51 - 67.	28,697	9,756	-	-	-	-	66,355	22,344
68 AND OVER. . . .	21,718	5,432	-	-	-	-	34,525	8,634
TOTAL	92,618	39,092	-	-	-	-	601,419	304,486
PINK:								
15 - 20.	13,118	9,576	5,867	$4,283	210	$153	47,016	34,250
21 - 25.	1,947	1,304	-	-	-	-	27,465	18,401
26 - 30.	4,085	2,493	-	-	-	-	56,990	34,193
31 - 40.	29,640	16,006	56,738	30,638	2,245	1,212	231,061	120,084
41 - 50.	16,518	7,434	34,003	15,303	995	447	299,560	131,430
51 - 67.	48,251	16,405	56,032	19,052	4,385	1,623	272,055	93,708
68 AND OVER. . . .	62,453	15,614	35,916	8,980	6,024	1,927	158,242	39,987
TOTAL	176,012	68,832	188,556	78,256	13,859	5,362	1,092,389	472,053
WHITE:								
26 - 30.	3,215	1,962	-	-	-	-	6,471	3,949
31 - 40.	28,531	15,406	15,477	8,358	1,630	880	72,752	39,285
41 - 50.	8,439	3,798	2,536	1,141	306	138	20,583	9,263
51 - 67.	-	-	1,087	370	100	37	1,719	588
TOTAL	40,185	21,166	19,100	9,869	2,036	1,055	101,525	53,085
TOTAL, 1961 . .	308,815	129,090	207,656	88,125	15,895	6,417	1,795,333	829,624
TOTAL, 1960 . .	297,430	112,342	134,187	[illegible]	20,347	[illegible]	[illegible]	[illegible]

SEE NOTE ON PAGE 226.

SOUTH CAROLINA SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE, 51 - 67	60	$20	-	-	-	-
TOTAL, 1961	60	20	-	-	-	-
TOTAL, 1960	-	-	-	-	6,069	$1,032

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:						
21 - 25.	-	-	-	-	680	$408
26 - 30.	-	-	1,476	$886	31,410	17,275
31 - 40.	-	-	-	-	18,489	8,874
TOTAL	-	-	1,476	886	50,579	26,557
TOTAL, 1961	-	-	1,476	886	50,579	26,557
TOTAL, 1960	-	-	6,905	4,388	151,544	97,211

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
21 - 25.	-	-	19,251	$11,551	-	-
26 - 30.	20,457	$11,253	134,690	74,079	-	-
31 - 40.	51,400	24,672	142,417	68,360	-	-
41 - 50.	57,030	23,383	50,624	20,756	-	-
51 - 67.	28,000	10,080	23,000	8,280	-	-
TOTAL	156,887	69,388	369,982	183,026	-	-
WHITE:						
21 - 25.	-	-	-	-	97,252	$67,104
26 - 30.	-	-	-	-	209,333	133,973
31 - 40.	-	-	-	-	196,500	112,005
41 - 50.	-	-	-	-	84,500	41,405
51 - 67.	-	-	-	-	17,000	5,780
TOTAL	-	-	-	-	604,585	360,267
TOTAL, 1961	156,887	69,388	369,982	183,026	604,585	360,267
TOTAL, 1960	851,182	403,038	740,166	342,013	925,792	376,038

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
21 - 25.	-	-	-	-	-	-	19,251	$11,551
26 - 30.	-	-	-	-	-	-	155,147	85,332
31 - 40.	-	-	-	-	-	-	193,817	93,032
41 - 50.	-	-	-	-	-	-	107,654	44,139
51 - 67.	-	-	-	-	-	-	51,000	18,360
TOTAL	-	-	-	-	-	-	526,869	252,414
WHITE:								
21 - 25.	89,943	$62,062	19,039	$13,137	2,443	$1,686	209,357	144,397
26 - 30.	247,000	158,080	68,000	43,520	14,500	9,280	571,719	363,014
31 - 40.	165,726	94,464	222,000	126,540	82,000	46,740	684,715	388,623
41 - 50.	109,000	53,410	66,216	32,446	4,036	1,978	263,752	129,239
51 - 67.	52,000	17,680	-	-	-	-	69,060	23,480
TOTAL	663,669	385,696	375,255	215,643	102,979	59,684	1,798,603	1,048,753
TOTAL, 1961	663,669	385,696	375,255	215,643	102,979	59,684	2,325,472	1,301,167
TOTAL, 1960	1,088,665	508,425	775,592	348,086	234,168	86,252	4,780,083	2,166,483

SEE NOTE ON PAGE 226.

GEORGIA SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:						
21 - 25	5,600	$3,192	6,108	$3,543	2,100	$1,239
26 - 30	11,454	5,956	1,682	908	2,961	1,629
31 - 40	12,028	5,501	725	354	250	124
41 - 50	15,022	5,601	5,511	2,322	4,300	1,812
51 - 67	7,274	2,168	-	-	4,690	1,659
68 AND OVER	46,537	11,169	16,852	5,005	10,700	4,170
TOTAL	97,915	33,587	30,878	12,132	25,001	10,633
TOTAL, 1961	97,915	33,587	30,878	12,132	25,001	10,633
TOTAL, 1960	107,364	36,214	23,698	8,159	29,361	9,550

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN, 41 - 50	-	-	-	-	772	$323
WHITE:						
21 - 25	125	$74	200	$118	150	89
26 - 30	414	227	22,472	12,135	45,767	24,715
31 - 40	9,479	4,462	16,710	8,304	5,662	2,830
41 - 50	3,828	1,628	21	8	475	196
51 - 67	2,800	1,034	-	-	301	110
68 AND OVER	5,040	1,663	531	175	21	7
TOTAL	21,686	9,088	39,934	20,740	52,376	27,947
TOTAL, 1961	21,686	9,088	39,934	20,740	53,148	28,270
TOTAL, 1960	65,164	19,518	114,015	65,231	308,111	185,178

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
21 - 25	14,400	$8,496	12,325	$8,505	18,125	$13,775
26 - 30	81,844	44,195	59,275	37,936	81,100	57,600
31 - 40	20,800	10,350	25,075	14,794	34,100	22,505
TOTAL	117,044	63,041	96,675	61,235	133,325	93,880
WHITE:						
21 - 25	3,866	2,281	9,275	6,400	4,450	3,382
26 - 30	40,375	21,802	38,550	24,672	176,653	125,424
31 - 40	27,075	13,490	122,670	68,643	261,475	168,119
41 - 50	4,554	1,877	87,755	41,833	94,975	51,368
51 - 67	7,618	2,811	29,923	12,528	85,000	37,078
68 AND OVER	5,016	1,655	60,376	22,341	101,926	35,164
TOTAL	88,504	43,916	348,549	176,417	724,479	420,535
TOTAL, 1961	205,548	106,957	445,224	237,652	857,804	514,415
TOTAL, 1960	690,588	285,533	619,034	264,989	1,222,980	509,655

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
21 - 25	-	-	-	-	-	-	44,850	$30,776
26 - 30	-	-	-	-	-	-	222,219	139,731
31 - 40	-	-	-	-	-	-	79,975	47,649
41 - 50	-	-	-	-	-	-	772	323
TOTAL	-	-	-	-	-	-	347,816	218,479
WHITE:								
15 - 20	-	-	-	-	1,500	$1,260	1,500	1,260
21 - 25	332,650	$237,844	74,750	$60,546	29,275	23,127	468,549	341,835
26 - 30	254,500	169,242	239,525	182,039	23,475	17,370	857,828	586,119
31 - 40	101,575	60,962	203,525	140,294	109,950	72,170	871,124	545,253
41 - 50	84,400	40,910	161,575	93,637	127,600	72,732	590,016	313,924
51 - 67	64,513	25,505	164,860	80,765	66,075	30,681	433,054	194,339
68 AND OVER	34,588	10,722	88,905	34,672	113,236	43,029	483,728	169,772
TOTAL	872,226	545,185	933,140	591,953	471,111	260,369	3,705,799	2,152,502
TOTAL, 1961	872,226	545,185	933,140	591,953	471,111	260,369	4,053,615	2,370,981
TOTAL, 1960	1,366,493	582,898	846,921	375,409	798,481	232,947	6,192,210	2,575,281

SEE NOTE ON PAGE 226.

FLORIDA, EAST COAST SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH		APRIL		MAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:										
15 - 20.	-	-	-	-	385	$293	-	-	860	$640
21 - 25.	197,865	$126,533	24,947	$16,961	27,122	19,475	9,001	$6,480	10,557	7,298
26 - 30.	50,381	30,217	14,418	9,210	10,656	7,110	10,124	6,784	20,379	12,613
31 - 40.	50,149	26,061	3,989	2,234	4,965	2,979	4,796	2,877	6,765	3,784
41 - 50.	46,053	19,315	16,410	7,871	5,465	2,841	1,907	992	1,092	502
51 - 67.	58,178	20,363	12,262	4,904	2,609	1,096	-	-	1,361	490
68 AND OVER. . . .	13,555	3,659	555	195	310	93	-	-	-	-
TOTAL	416,181	226,148	72,581	41,375	51,512	33,887	25,828	17,133	41,014	25,327
TOTAL, 1961 . .	416,181	226,148	72,581	41,375	51,512	33,887	25,828	17,133	41,014	25,327
TOTAL, 1960 . .	594,446	308,730	103,146	53,713	54,621	35,880	22,866	17,019	26,658	17,408

SPECIES AND SIZE	JUNE		JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
21 - 25.	1,942	$1,308	6,214	$3,881	-	-	-	-
26 - 30.	5,611	3,366	16,813	10,788	-	-	-	-
31 - 40.	3,529	1,905	23,411	12,638	-	-	-	-
41 - 50.	1,496	688	5,440	2,239	-	-	-	-
51 - 67.	135	53	7,095	2,165	-	-	-	-
68 AND OVER. . . .	-	-	281	70	-	-	-	-
TOTAL	12,713	7,320	61,254	31,781	-	-	-	-
WHITE:								
15 - 20.	774	541	142	97	307	$260	118	$94
21 - 25.	10,820	7,079	10,023	6,487	19,163	15,067	18,201	13,650
26 - 30.	35,281	21,168	22,551	12,932	48,776	36,046	69,840	48,888
31 - 40.	26,168	14,132	25,241	13,676	68,451	42,783	301,498	189,945
41 - 50.	13,740	6,321	7,532	3,248	31,600	17,481	62,870	33,321
51 - 67.	3,514	1,370	7,562	2,306	30,966	13,091	28,172	11,833
68 AND OVER. . . .	980	294	357	89	2,856	873	16,724	5,686
TOTAL	91,277	50,905	73,408	38,835	202,119	125,601	497,423	303,417
TOTAL, 1961 . .	103,990	58,225	134,662	70,616	202,119	125,601	497,423	303,417
TOTAL, 1960 . .	118,216	69,663	245,191	131,967	208,985	109,628	290,974	127,178

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
21 - 25.	-	-	-	-	-	-	8,156	$5,189
26 - 30.	-	-	-	-	-	-	24,424	14,154
31 - 40.	-	-	-	-	-	-	26,940	14,543
41 - 50.	-	-	-	-	-	-	6,936	2,927
51 - 67.	-	-	-	-	-	-	7,230	2,218
68 AND OVER. . . .	-	-	-	-	-	-	281	70
TOTAL	-	-	-	-	-	-	73,967	39,101
WHITE:								
15 - 20.	65,448	$51,049	159,544	$132,421	92,712	$79,732	320,290	265,127
21 - 25.	263,903	196,981	438,734	350,987	119,588	99,258	1,149,924	866,256
26 - 30.	157,893	109,968	179,158	134,368	162,881	127,047	782,338	556,351
31 - 40.	64,234	40,202	51,313	34,893	148,799	105,647	756,368	479,213
41 - 50.	24,906	13,043	12,750	7,395	58,815	35,877	283,140	148,207
51 - 67.	8,230	3,456	4,199	2,016	21,729	11,082	178,782	72,007
68 AND OVER. . . .	-	-	137	55	340	146	35,814	11,090
TOTAL	584,614	414,699	845,835	662,135	604,864	458,789	3,506,656	2,398,251
TOTAL, 1961 . .	584,614	414,699	845,835	662,135	604,864	458,789	3,580,623	2,437,352
TOTAL, 1960 . .	685,834	332,654	751,197	435,827	941,309	523,641	4,043,443	2,163,308

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON, MULTIPLY BY 1.68 FOR BROWN, PINK AND WHITE.

SECTION 6 - GULF FISHERIES

The commercial catch of fish and shellfish landed at ports of the Gulf States (West Coast of Florida, Alabama, Mississippi, Louisiana, and Texas) during 1961 amounted to 1.4 billion pounds with a dockside value of $76 million. The volume of landings established a new record surpassing the previous, recorded in 1960, by over 111 million pounds or 9 percent. This was due to record menhaden landings. Value of the landings decreased approximately $10 million or 12 percent from that of 1960; the disastrously low shrimp catches were the reason for this substantial decline in value. The year presented a mixed economic situation in the fisheries of the Gulf States. The catch of shrimp (133.8 million pounds) was 35 percent less than in 1960, however the value of the catch ($43.6 million) accounted for 58 percent of the amount paid Gulf fishermen for all species. Menhaden landings (1,020 million pounds) were a new record and catches of crabs (36.3 million pounds) and oysters (18.2 million pounds) were considerably above average.

Louisiana again led all Gulf States, as well as all other States in the Nation, in volume of landings as a result of continued record menhaden production. Texas continued its position, among the Gulf States, as the leader in terms of value of landings. Increases in volume, compared with 1960, were recorded in only two States--Mississippi, with a 77-million-pound (25 percent) increase, and Louisiana, with a 82-million-pound, (14 percent) increase. Both increases resulted from greater menhaden landings. Alabama landings declined 3.6 million pounds; Texas, 34.4 million; and Florida, West Coast, 10.2 million pounds. The value declined in each State and ranged from a substantial drop of $4.5 million in Louisiana to a $57,000 decrease in Mississippi.

As is usually the case, five species predominated the landings and accounted for 90 percent of the total. Shrimp, the most valuable species, decreased 72 million pounds from 1960. Menhaden, the perennial leader in volume, increased 179.5 million pounds; oyster meats and mullet landings each increased by 2 million pounds; and crab landings were up 577,000 pounds compared with 1960.

Weather conditions in most of the area did not follow the normal seasonal patterns during 1961. Heavy rains, with accompanying floods, were experienced in most States during the early spring. In these same areas, an unseasonably warm period in January was followed by unusually prolonged cold weather. The area was struck by one hurricane during the year. Hurricane Carla hovered off the Texas coast and smashed inshore on September 11. Shore plant installations and craft at Palacios and Port O'Connor were completely destroyed as the "eye" moved ashore at this point on the coast. Shore plants at Freeport and Port Lavaca were also heavily damaged. Water damage, as a result of this hurricane, was inflicted on other shore plant installations along the Texas and Louisiana coasts. Adequate warning permitted craft operators to seek harbors of safety so that losses were minimal. Heavy gear losses occurred in the net and trotline fisheries, particularly in Matagorda Bay and adjacent areas, as a result of this storm. Fishing along the Texas coast was curtailed for approximately 10 days as a result of this hurricane. Shortly after the hurricane a short-lived, but heavy, run of shrimp occurred off Port Isabel, Texas. Catches of red snapper in all areas off the Texas and Louisiana coasts also reached unprecedented high levels following the hurricane.

There were 17,615 persons employed by 768 fishery wholesaling and processing establishments in the Gulf area during 1961. The value of processed fishery products, $144 million, was $5 million less than in 1960.

Landings of shrimp declined drastically during 1961, and ex-vessel prices increased moderately. However, the decline in volume was so great, and followed so closely the low prices of 1959, that vessel operators were in financial difficulty by midyear. At the close of the year, all major shrimp organizations were seeking to have their Legislators amend the provisions of the Farm Disaster Act to include fisheries which suffer "crop failures" as a result of natural causes. Biological research on shrimp had not reached the stage where the specific factors causing the decline in population abundance could be clearly delineated. However, speculation among many biologists and longtime fishermen was that abnormal water temperatures and salinities were prime factors affecting this decline. A slight measure of relief was afforded by the relatively higher ex-vessel prices during the last quarter of the year. This is well illustrated by the fact that while landings declined 35 percent, the value of these landings declined only 24 percent. This relationship between declines in volume and value is especially significant since there was very little change in the size composition of the shrimp landings compared with the previous year.

The decline in shrimp populations was apparent in nearly all major fishing areas of both the coastal and offshore waters of the Gulf of Mexico, and was reflected in greatly decreased landings in each of the States. Those States comprising the North Central Gulf (Alabama, Mississippi, and Louisiana) sustained decreases of 51, 60, and 50 percent, respectively. Landings at Texas ports declined 28 percent below 1960, while those on the West Coast of Florida were down 19 percent. A review of the species composition of landings in each State indicates that there was a "crop failure" of both brown (Penaeus aztecus) and white (Penaeus setiferus) varieties, with the greatest decline in stocks of brown shrimp.

The average ex-vessel price per pound, heads-off weight, during 1961 was nearly 55 cents--up 8 cents from the 1960 average. The greatest increase was in Texas, where a high of about 61 cents was recorded--10 cents over the previous year. In all other States the increase, over 1960, ranged from 5 to 6 cents per pound. While prices were substantially higher than in 1960, they were, in all States, considerably below those recorded in 1958, the record year.

Production of packaged raw, headless shrimp was 32.4 million pounds below that of 1960; however, peeled and deveined and breaded shrimp showed a gain of 7 percent. The increase in the latter category was made possible by greater imports of shrimp and a reduction in frozen stocks. As a result of short domestic supplies, some experimenting was done to determine the feasibility of using imported frozen shrimp for canning purposes.

A promising new product, Shrimp Logs, was introduced by a Louisiana processor during 1961. Tiny Alaskan shrimp packed into polyethylene sleeves were molded in special forms and quick-frozen at an Alaska plant. The logs were then shipped to the Louisiana plant where the processor sliced them into the desired thickness, while still frozen, and then breaded and packaged the slices. The slices resemble a butterfly-shaped shrimp.

Partially compensating for the greatly reduced shrimp landings of the Gulf area was an ever-increasing quantity of imports, which totaled a record 126 million pounds. These imports exceeded those of 1960, the previous record year, by 13 million pounds, or 11 percent.

The menhaden fishery was the most encouraging segment of the Gulf fishing industry. A record 1 billion pounds were landed, surpassing the record year, 1960, by over 179 million pounds. Fish were plentiful in most coastal areas throughout the season (April through October) and were large enough to produce a very good oil yield. Louisiana led all States with landings of 582 million pounds--an increase of 24 percent over 1960--while Mississippi landings reached a new high of 301 million pounds--a 38-percent increase over those of 1960. Texas was the only State in the Central and Western Gulf in which landings decreased from the previous year, probably because of the disruption of fishing activities and scattering of menhaden schools due to hurcane Carla.

Evidence of the abundance of menhaden is perhaps best illustrated by the fact that 69 vessels participated in the taking of this record catch, compared with 76 during 1960. Increased efficiency of fishing operations by the use of pneumatic blocks aboard seine boats, as well as the abundance of fish, contributed to the greater catches of 1961. The use of striker boats in this fishery was practically abandoned as aircraft spotters now perform the function of indicating the location and movement of schools of fish.

GULF FISHERIES

Market conditions for the products derived from menhaden were somewhat mixed during the year. Meal and scrap prices remained relatively high, with an average for the Gulf area of $105 per ton--an increase of $15 per ton over 1960. Prices for menhaden oil took a downward trend at the close of the season, with an average for the year of about 45 cents per gallon in contrast to approximately 49 cents in 1960. The principal factors in this downward trend were the heavy production of fish oil in Peru and the higher oil yield from menhaden taken from the Gulf of Mexico. The demand for solubles remained light to moderate, and the average price for the year was approximately $40 per ton.

Landings of over 18 million pounds of oyster meats were the highest recorded by the Bureau since 1939. While landings in Alabama and Texas were less than half those of the previous years, substantial increases in the other Gulf States compensated for these declines. Louisiana, the consistent leader among the Gulf States, accounted for over 55 percent of the area total with slightly over 10 million pounds. West Coast of Florida landings, 3.3 million pounds, were up 1.3 million pounds over 1960, while Mississippi landings increased 850,000 pounds. The average price per pound during 1961 increased 7 cents over that of 1960 for Florida, West Coast production, and 5 cents for Alabama. In the remainder of the States, the average price per pound was at nearly the same level as in 1960.

The principal incentive for increasing production was the strong demand created by the shortage of oysters in the Chesapeake and Middle Atlantic States. The West Coast of Florida moved into second position in both volume and value of landings. As was the case on the East Coast, there was a virtual rebirth of this fishery in Florida, and it is anticipated that production will continue to increase in the future. A further indication of the interest in this fishery was the granting of 33 leases, covering 1,298 acres, by the Florida Board of Conservation to private individuals during 1961.

In Alabama, the drastic decline in production occurred as a result of mortality due to the heavy influx of fresh water in the February floods. Pollution, both industrial waste and sewage, increased as a result of currents generated by these floods. This led to the closing of over 90 percent of the oyster reefs on March 5 for the balance of the spring season. The reefs were reopened for the fall season, but pollution again forced closure of the majority during December.

Texas oyster reefs were in much the same condition as those of Alabama. Abnormal freshwater intrusion and contamination resulting from hurricane *Carla* were prime factors in the sharply reduced production. One interesting aspect of the Texas fishery was the development of a steel raft for growing oysters. In operation, the raft is towed to the seeding ground and sunk; stringers of plastic strips, attached to upright reinforcement rods, serve as the cultch for collecting spat. This type of operation is designed to save labor in harvesting and also provide mobility in that the raft can be moved to areas having optimum growing conditions for oysters. Conditions for growth and development of oysters in Louisiana and Mississippi were very good and were a principal reason for increased production.

The increase in oyster landings of the Gulf area was reflected in the processed commodities. The canned pack of 324,600 standard cases in Mississippi and Louisiana, the principal producing States in the area, was an increase of 30 percent over that of 1960. Production of shucked oyster meats amounted to 963,000 gallons--up 35 percent over 1960. The 10-ounce glass containers for retail sales of shucked oysters continued to grow in popularity.

Canned oyster prices declined about $1 per case below the $13.60 received in 1960, as dealers continued their attempts to compete with the lower priced imports of this commodity. The average price for fresh shucked oysters, for the entire area, was about the same as in 1960.

* * *

Landings of choice finfish in the area increased over the previous year in nearly every case. Red snapper landings amounted to 11.9 million pounds--1.6 million pounds more than in 1960, and according to Bureau records, the greatest poundage landed since 1927. Much of the increase was due to new vessels entering the fishery and more efficient gear. The use of a mechanical hand reel with small stainless steel wire reduced effort required to bring fish from the depths and also permitted fishing in deeper waters and using more hooks per line. The relatively high ex-vessel red snapper price (averaging 26 cents per pound) precluded any large-scale filleting operation. Technological developments, such as a reasonably priced fillet machine and more efficient methods of capture, could probably expand the extent of this fishery in the Gulf area.

Landings of fish caught incidental to shrimp trawling, while three times as great as those of 1960, accounted for only 3 percent of the total landings. This increase occurred in both Texas and Louisiana, probably resulting from fishermen seeking to sell any species of value caught incidental to shrimping in order to compensate for monetary losses due to greatly reduced shrimp catches.

Mullet were plentiful throughout most of the year in all States, and the 34.8 million pounds landed were an increase of 2.1 million over 1960. The same technological developments mentioned as needed for red snapper are also applicable to this species. In Florida, the principal producing State, plans were made for accelerating promotional activities for this species. One of the principal determinations to be made, in connection with the promotional program, was the suitability of mullet for canning. A good demand and price structure served as an incentive for a greatly increased production of mullet roe in the West Coast of Florida.

Spanish mackerel landings of 4 million pounds were down 27 percent from the landings of 1960. Spotted sea trout landings were below those of 1960, because of a decline in the abundance of this species in Florida and Texas. Catches by Alabama, Mississippi, and Louisiana fishermen increased over the previous year. However, it is not known whether greater abundance or intensified fishing effort accounted for the increases in these States.

For the third consecutive year, the West Coast of Florida led all Gulf States in landings of hard, blue crabs. While the landings of 35.3 million pounds for the Gulf area were the highest recorded since 1945, they could have been much greater if a sufficient demand had existed. Processing plant operators were greatly concerned over their ability to pay the new minimum wage and still produce crab meat that would meet consumer acceptance with regard to price. Prior to the application of the minimum wage law, employees were paid on a piecework basis, generally 20 cents a pound for picked meats.

Landings of fresh-water catfish and bullheads from rivers in the coastal areas of the various States continued to provide a substantial contribution in the overall economy of the fisheries. The introduction of a polyethylene package, containing two or three skinned and dressed frozen catfish, was expected to afford a greater sales distribution of this species.

Fishery research conducted by each of the Gulf States remained at relatively high levels during the year. In Alabama, the major efforts of the research program were directed toward getting more production from existing oyster reefs and establishing new reefs by an increased shell-planting program. Plans were also completed for construction of a modern laboratory and Seafoods Division office on Dauphin Island.

As in past years, the Florida State Board of Conservation, Salt-water Fisheries Division, conducted research through its own facilities in St. Petersburg and Apalachicola, and by contract with the Marine Laboratory, University of Miami. Research on fish was primarily devoted to studies of reef fishes and the taxonomy and biology of species comprising an integral part of the food chain. The final report of several years' observations on pink spotted shrimp (Penaeus duorarum) was completed and indicated that because of its role in stimulating spawning, temperature may be important in determining the abundance of year classes.

GULF FISHERIES

The Marine Laboratory of the Louisiana Wild Life and Fisheries Commission, on Grand Terre Island, continued its research program with a complete staff. Its principal research was hydrographic studies of shrimp and oysters, the primary purpose of which is to establish what may be considered normal environmental conditions compared with abnormal. This information will be correlated with all phases of work on shrimp and oysters. Shrimp research was expanded, with primary emphasis on the brown shrimp (Penaeus aztecus), to determine offshore spawning areas; growth rates, distribution, and movement in inside waters; postlarval arrivals into the bays, including density counts; and histological studies of the reproductive cycle. Oyster research followed much the same pattern as in previous years. Research indicated that excessive fresh water, while limiting available supplies of seed oyster, greatly reduced the snail Thais and the appearance of the disease caused by Dermocystidium marinum.

The Gulf Coast Research Laboratory, Ocean Springs, Mississippi established its own journal called Gulf Research Reports. Volume 1, No. 1, was a paper describing the distribution, with natural history notes, on all marine and brackish water mollusks of the State of Mississippi. Studies continued on menhaden, shrimp, and oysters. The Laboratory participated in a joint study with the Mississippi Marine Conservation Commission and the U.S. Soil Conservation Service on the sedimentation of Mississippi Sound by a new method which consists of a probe which gives off gamma rays and a receiving apparatus.

The Texas Game and Fish Commission completed a reorganization which divided the activties into five regions. However, general policy and administrative offices remained in Austin. Research emphasis continued to be placed on the life history of species subject to the greatest fishing pressure, both sport and commercial; and hydrographic and environmental studies.

The Bureau of Commercial Fisheries, under the direction of its Regional Office in St. Petersburg Beach, Florida, continued its Research and Services Programs on the major fisheries of the Gulf States. Specific and detailed accomplishments of each of the Branches comprising the Bureau are contained in Report of the Bureau of Commercial Fisheries, Calendar Year 1961, and Operations of the Bureau of Commercial Fisheries Under the Saltonstall-Kennedy Act, Fiscal Year 1961.

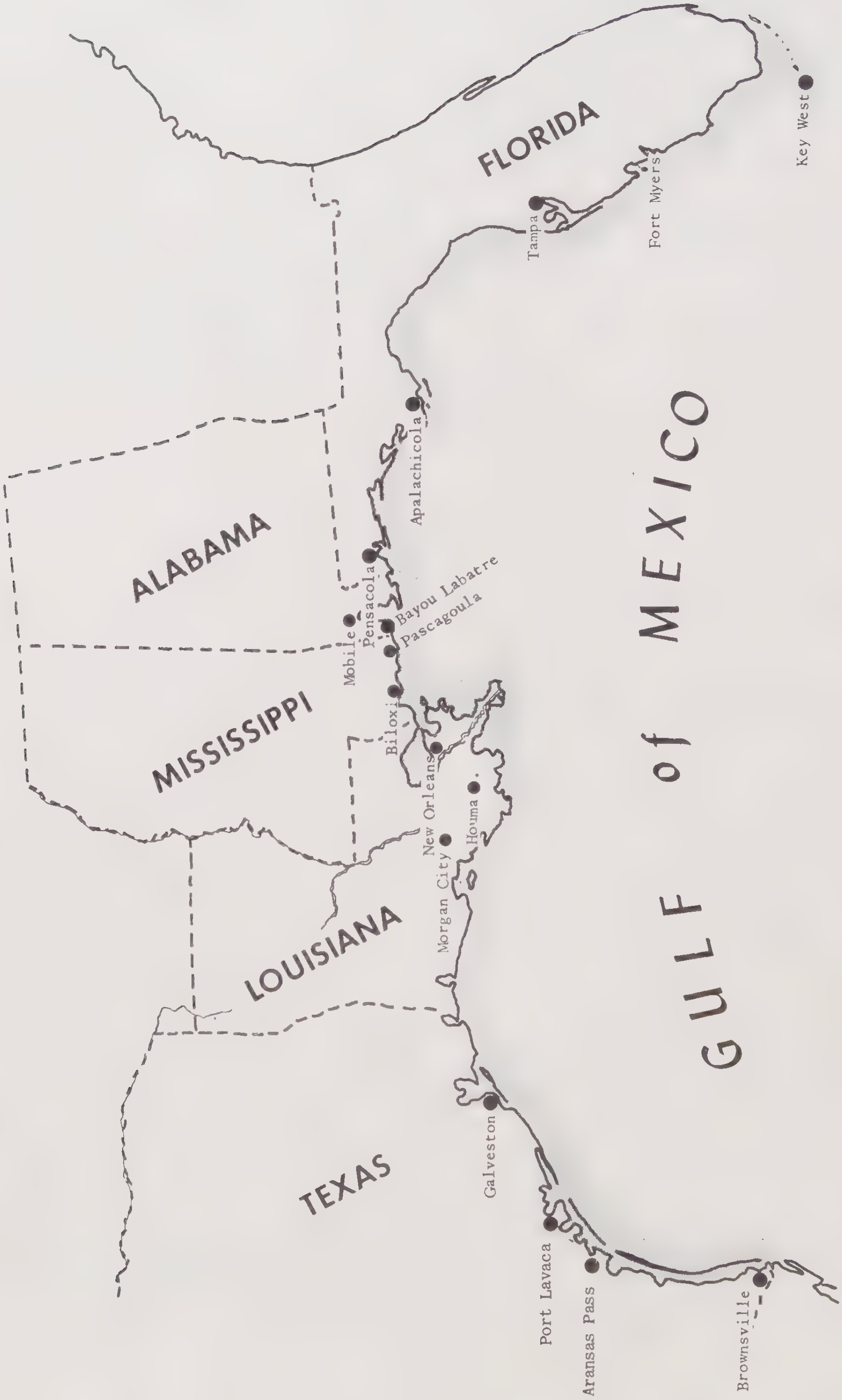
Through the efforts of the Gulf States Marine Fisheries Commission, an additional $175,000 was appropriated by Congress for expanded shrimp research during the fiscal year 1962.

A hearing was held before the Committee on Ways and Means, House of Representatives, on H.R. 6168, a bill to amend the Tariff Act of 1930 to impose a duty on shrimp and to provide for duty free entry of unprocessed shrimp annually in an amount equal to imports of shrimp in 1960. The bill was still in Committee at the close of the year.

Condensed summary data on operating units and catch by States appearing on the following pages have been previously published in Current Fishery Statistics bulletin No. 3051. Data on the catch and operating units of the East Coast of Florida and the entire State of Florida may be found in Section 5 of this Digest. Seasonal variations of the catch of fish and shellfish in Florida, Alabama, Mississippi, Louisiana, and Texas can be ascertained from monthly landing bulletins issued currently for these States in cooperation with the fishery agencies of each State. Additional aspects of the Gulf fisheries may be found in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, Federal Building, 600 South Street, New Orleans 12, Louisiana.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this Section: Florida State Board of Conservation; Marine Laboratory, University of Miami; Alabama Department of Conservation, Commercial Seafoods Division; Mississippi Marine Conservation Commission; Louisiana Wild Life and Fisheries Commission; and Texas Game and Fish Commission.

GULF FISHERIES


FLORIDA
ALABAMA
MISSISSIPPI
LOUISIANA
TEXAS
GULF of MEXICO
Key West
Fort Myers
Tampa
Apalachicola
Pensacola
Bayou Labatre
Pascagoula
Mobile
Biloxi
New Orleans
Houma
Morgan City
Galveston
Port Lavaca
Aransas Pass
Brownsville

GULF FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FLORIDA, WEST COAST	66	6	59	14	125	20
ALABAMA	4	1	5	1	9	2
MISSISSIPPI	382	6	10	2	392	8
LOUISIANA	593	9	55	13	648	22
TEXAS	140	2	63	22	203	24
TOTAL	1,185	24	192	52	1,377	[illegible]

SUMMARY OF OPERATING UNITS, 1961

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	3,411	581	1,960	3,787	4,776	10,847
ON BOATS AND SHORE:						
REGULAR	2,678	657	753	3,540	849	8,219
CASUAL.	1,300	201	367	1,090	220	3,178
TOTAL	7,389	1,439	3,080	8,417	5,845	22,244
VESSELS, MOTOR.	1,141	200	567	1,131	1,594	3,267
GROSS TONNAGE	46,132	6,691	23,668	46,677	82,308	140,456
BOATS:						
MOTOR	2,946	525	998	3,563	791	8,571
OTHER	229	176	147	60	28	640
GEAR:						
HAUL SEINES, COMMON	53	-	-	13	32	98
LENGTH, YARDS	38,500	-	-	4,966	7,800	51,266
PURSE SEINES:						
MENHADEN.	2	-	18	39	14	69
LENGTH, YARDS	800	-	7,540	17,472	6,650	30,792
OTHER	2	-	-	-	-	2
LENGTH, YARDS	400	-	-	-	-	400
OTTER TRAWLS:						
FISH.	-	-	127	8	-	135
YARDS AT MOUTH.	-	-	2,376	132	-	2,508
SHRIMP.	1,750	498	1,056	3,663	3,431	7,895
YARDS AT MOUTH.	26,868	7,043	15,327	50,999	50,591	113,032
FYKE AND HOOP NETS, FISH. .	-	450	-	14,546	15	15,011
POTS AND TRAPS:						
CRAB:						
BLUE.	30,358	5,000	6,460	300	7,200	49,318
OTHER	13,604	-	-	-	-	13,604
CRAWFISH.	-	-	-	6,620	-	6,620
FISH.	216	230	-	-	-	446
LOBSTER, SPINY.	38,990	-	-	-	-	38,990
GILL NETS:						
ANCHOR, SET OR STAKE. . .	7	-	-	59	82	148
SQUARE YARDS.	3,600	-	-	38,704	53,370	95,674
DRIFT	22	-	-	-	-	22
SQUARE YARDS.	61,500	-	-	-	-	61,500
RUNAROUND	981	16	4	-	-	1,001
SQUARE YARDS.	1,374,340	8,400	2,400	-	-	1,385,140
TRAMMEL NETS.	288	96	39	104	53	580
SQUARE YARDS.	358,970	80,000	31,800	23,848	37,841	532,459
LINES:						
HAND.	2,605	133	164	11,822	646	15,246
HOOKS	5,816	668	584	12,199	1,741	20,459
TROLL	1,648	-	-	-	-	1,648
HOOKS	1,648	-	-	-	-	1,648
LONG OR SET WITH HOOKS. .	23	2	-	1,446	162	1,633
HOOKS	19,640	600	-	526,327	338,300	884,867
TROT WITH BAITS	46	28	15	634	-	723
BAITS	29,100	14,000	7,500	382,650	-	433,250
SNAG.	-	150	-	-	-	150
HOOKS	-	45,000	-	-	-	45,000

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
DIP NETS:						
COMMON	37	-	-	56	-	93
DROP	60	-	-	20,559	-	20,619
CAST NETS	30	-	7	-	-	37
SPEARS	50	25	11	9	81	176
DREDGES:						
OYSTER, COMMON	-	-	378	513	159	1,045
YARDS AT MOUTH	-	-	453	749	159	1,357
SCALLOP	32	-	-		-	32
YARDS AT MOUTH	32	-	-	-	-	32
TONGS:						
OYSTER	569	752	674	245	36	2,038
OTHER	2	-	-	-	-	2
RAKES	6	-	-	-	-	6
BRUSH TRAPS	-	-	-	52,300	-	52,300
GRABS, FROG	-	-	-	36	-	36
HOOKS, SPONGE	84	-	-	-	-	84
DIVING OUTFITS	12	-	-	-	-	12

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	281	11	-	-	-	-
AMBERJACK	7	(1)	-	-	-	-
BALLYHOO	62	9	-	-	-	-
BARRACUDA	8	(1)	-	-	-	-
BLUEFISH	624	69	4	(1)	18	2
BLUE RUNNER	947	40	2	(1)	-	-
BONITO	2	(1)	-	-	-	-
BUFFALOFISH	-	-	45	6	-	-
CABIO	15	1	1	(1)	-	-
CATFISH AND BULLHEADS	22	3	51	13	-	-
CIGARFISH	323	23	-	-	-	-
CREVALLE	535	15	-	-	-	-
CROAKER	23	2	15	1	3	(1)
DOLPHIN	24	1	-	-	-	-
DRUM:						
BLACK	75	3	2	(1)	23	2
RED	848	96	24	3	53	8
FLOUNDERS	148	24	98	17	59	7
GROUPERS	6,370	643	221	28	135	16
GRUNTS	85	5	-	-	-	-
HOGFISH	35	5	-	-	-	-
JEWFISH	51	4	25	2	-	-
KING MACKEREL	1,683	175	-	-	-	-
KING WHITING OR "KINGFISH"	179	12	162	8	250	15
MENHADEN	3,375	32	-	-	301,271	3,404
MOJARRA	76	4	-	-	-	-
MULLET:						
BLACK	32,964	1,813	897	46	400	20
SILVER	471	30	-	-	-	-
PADDLEFISH	-	-	5	(1)	-	-
PERMIT	20	2	-	-	-	-
PIGFISH	4	(1)	-	-	-	-
POMPANO	528	375	7	3	1	1
SCUP OR PORGY	48	3	-	-	-	-
SEA CATFISH	225	14	25	1	8	(1)

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA TROUT OR WEAKFISH:						
SPOTTED	2,381	557	82	21	172	44
WHITE	252	23	33	2	69	3
SHARKS, UNCLASSIFIED	685	12	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	-	-	32	4	-	-
SALT-WATER	64	6	21	1	46	4
SNAPPER:						
MANGROVE	262	40	-	-	-	-
MUTTON	90	18	-	-	-	-
RED	5,446	1,449	1,784	470	2,152	537
VERMILION	22	4	-	-	-	-
YELLOWTAIL	640	141	-	-	-	-
SPANISH MACKEREL	3,988	383	15	2	9	1
SPANISH SARDINE	36	1	-	-	-	-
SPOT	234	13	26	1	1	(1)
STURGEON	14	2	4	(1)	-	-
TENPOUNDER	389	13	1	(1)	-	-
TILEFISH	1	(1)	-	-	-	-
TRIGGERFISH	6	(1)	-	-	-	-
TRIPLETAIL	3	(1)	-	-	(1)	(1)
WARSAW	188	11	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	918	69	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	554	13	-	-	76,858	1,307
TOTAL FISH	66,231	6,169	3,582	629	381,528	5,371
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	17,130	736	838	46	2,505	143
SOFT AND PEELER	5	3	-	-	7	1
STONE	453	156	-	-	-	-
TOTAL CRABS	17,588	895	838	46	2,512	144
LOBSTERS, SPINY	2,101	721	-	-	-	-
SHRIMP	36,069	11,094	3,525	1,154	4,408	1,281
CLAMS, HARD, PUBLIC	15	5	-	-	-	-
CONCHS	1	(1)	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	773	245	345	86	1,978	423
FALL	1,726	547	69	33	536	167
PRIVATE:						
SPRING	425	135	30	10	727	163
FALL	331	105	65	33	-	-
TOTAL OYSTERS	3,255	1,032	509	162	3,241	753
SCALLOPS, BAY	36	14	-	-	-	-
SQUID	13	1	4	(1)	-	-
TURTLES:						
GREEN	30	5	-	-	-	-
LOGGERHEAD	3	(1)	-	-	-	-
TOTAL TURTLES	33	5	-	-	-	-
SPONGES:						
GRASS	(1)	1	-	-	-	-
SHEEPSWOOL	36	362	-	-	-	-
YELLOW	1	4	-	-	-	-
TOTAL SHELLFISH, ETC.	59,148	14,134	4,876	1,362	10,161	2,1[illegible]
GRAND TOTAL	125,379	20,303	8,458	1,991	391,689	7,549

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LOUISIANA		TEXAS		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	-	-	281	11
AMBERJACK	-	-	-	-	7	(1)
BALLYHOO	-	-	-	-	62	9
BARRACUDA	-	-	-	-	8	(1)
BLUEFISH	-	-	-	-	646	71
BLUE RUNNER	-	-	-	-	949	40
BONITO	-	-	-	-	2	(1)
BOWFIN	7	(1)	-	-	7	(1)
BUFFALOFISH	672	80	91	9	808	95
CABIO	4	(1)	9	1	29	2
CARP	15	1	-	-	15	1
CATFISH AND BULLHEADS	6,412	1,314	76	22	6,561	1,352
CIGARFISH	-	-	-	-	323	23
CREVALLE	-	-	-	-	535	15
CROAKER	18	1	18	1	77	5
DOLPHIN	-	-	-	-	24	1
DRUM:						
BLACK	388	20	1,635	134	2,123	159
RED	666	97	617	142	2,208	346
FLOUNDERS	221	30	153	39	679	117
GARFISH	265	15	52	2	317	17
GROUPERS	16	2	56	5	6,798	694
GRUNTS	-	-	-	-	85	5
HOGFISH	-	-	-	-	35	5
JEWFISH	9	1	-	-	85	7
KING MACKEREL	-	-	(1)	(1)	1,683	175
KING WHITING OR "KINGFISH"	531	27	42	2	1,164	64
MENHADEN	581,682	6,748	134,105	1,408	1,020,433	11,592
MOJARRA	-	-	-	-	76	4
MULLET:						
BLACK	12	(1)	-	-	34,273	1,879
SILVER	-	-	86	3	557	33
PADDLEFISH	7	1	-	-	12	1
PERMIT	-	-	-	-	20	2
PIGFISH	-	-	-	-	4	(1)
POMPANO	1	(1)	5	2	542	381
SAWFISH	6	(1)	-	-	6	(1)
SCUP OR PORGY	-	-	-	-	48	3
SEA CATFISH	85	4	30	3	373	22
SEA TROUT OR WEAKFISH:						
SPOTTED	537	123	1,117	278	4,289	1,023
WHITE	82	5	-	-	436	33
SHARKS, UNCLASSIFIED	4	(1)	-	-	689	12
SHEEPSHEAD:						
FRESH-WATER	541	53	1	(1)	574	57
SALT-WATER	145	10	54	3	330	24
SNAPPER:						
MANGROVE	-	-	-	-	262	40
MUTTON	-	-	-	-	90	18
RED	677	150	1,829	455	11,888	3,061
VERMILION	-	-	-	-	22	4
YELLOWTAIL	-	-	-	-	640	141
SPANISH MACKEREL	2	(1)	(1)	(1)	4,014	386
SPANISH SARDINE	-	-	-	-	36	1
SPOT	3	(1)	-	-	264	14
STURGEON	-	-	-	-	18	2
TENPOUNDER	-	-	-	-	390	13
TILEFISH	-	-	-	-	1	(1)
TRIGGERFISH	-	-	-	-	6	(1)
TRIPLETAIL	1	(1)	-	-	4	(1)
WARSAW	-	-	35	4	223	15
UNCLASSIFIED:						
FOR FOOD	-	-	109	5	1,027	74
BAIT, REDUCTION, AND ANIMAL FOOD	582	7	381	11	78,375	1,338
TOTAL FISH	593,591	8,689	140,501	2,529	1,185,433	23,387

SEE FOOTNOTE AT END OF TABLE.

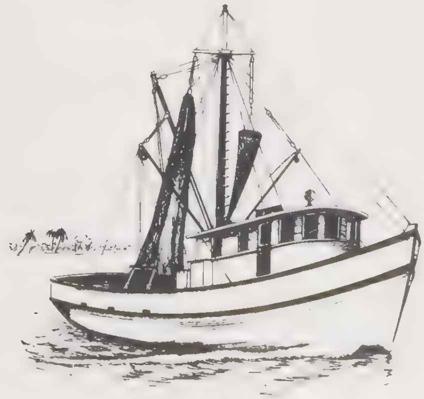
(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LOUISIANA		TEXAS		TOTAL	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:						
BLUE:						
HARD.	11,910	514	2,875	178	35,258	1,617
SOFT AND PEELER	620	310	2	1	634	315
STONE	-	-	-	-	453	156
TOTAL CRABS.	12,530	824	2,877	179	36,345	2,088
CRAWFISH, FRESH-WATER	1,018	148	-	-	1,018	148
LOBSTERS, SPINY	-	-	-	-	2,101	721
SHRIMP.	31,027	8,913	58,766	21,208	133,795	43,650
CLAMS, HARD, PUBLIC	-	-	-	-	15	5
CONCHS.	-	-	-	-	1	(1)
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	1,183	354	809	229	5,088	1,337
FALL.	116	48	212	77	2,659	872
PRIVATE:						
SPRING.	7,450	1,871	68	20	8,700	2,199
FALL.	1,390	576	7	3	1,793	717
TOTAL OYSTERS.	10,139	2,849	1,096	329	18,240	5,125
SCALLOPS, BAY	-	-	-	-	36	14
SQUID	2	(1)	12	1	31	2
TURTLES:						
BABY.	1	4	-	-	1	4
GREEN	6	1	-	-	36	6
LOGGERHEAD.	-	-	-	-	3	(1)
SNAPPER	15	2	-	-	15	2
TOTAL TURTLES.	22	7	-	-	55	12
FROGS	5	2	-	-	5	2
SPONGES:						
GRASS	-	-	-	-	(1)	1
SHEEPSWOOL.	-	-	-	-	36	362
YELLOW.	-	-	-	-	1	4
TOTAL SHELLFISH, ETC. .	54,743	12,743	62,751	21,717	191,679	52,134
GRAND TOTAL.	648,334	21,432	203,252	24,246	1,377,112	75,521

1/ LESS THAN 500 POUNDS OR $500.



MEDIUM SHRIMP TRAWLER

CATCH OF CERTAIN SHELLFISH, 1961

(NUMBER AND BUSHELS)

SPECIES		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:							
BLUE:							
HARD	NUMBER	35,629,360	$736,573	1,764,420	$46,072	5,465,232	$142,799
SOFT AND PEELER.	DO	20,400	2,550	-	-	24,000	1,190
STONE.	DO	453,300	155,935	-	-	-	-
CLAMS, HARD, PUBLIC.	U.S. STD. BUSHEL	2,923	5,462	-	-	-	-
CONCHS	DO	100	420	-	-	-	-
OYSTERS, MARKET:							
PUBLIC:							
SPRING	DO	168,104	245,041	67,476	85,796	487,452	422,864
FALL	DO	452,242	547,015	16,212	33,244	139,114	166,985
PRIVATE:							
SPRING	DO	92,304	134,598	5,890	10,440	179,078	162,607
FALL	DO	87,032	104,895	15,224	32,932	-	-
SCALLOPS, BAY. . . .	DO	6,873	13,902	-	-	-	-

SPECIES		LOUISIANA		TEXAS		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:							
BLUE:							
HARD	NUMBER	23,819,796	$514,188	4,927,884	$177,710	71,606,692	$1,617,342
SOFT AND PEELER.	DO	1,860,900	310,200	7,200	720	1,912,500	314,660
STONE.	DO	-	-	-	-	453,300	155,935
CLAMS, HARD, PUBLIC.	U.S. STD. BUSHEL	-	-	-	-	2,923	5,462
CONCHS	DO	-	-	-	-	100	420
OYSTERS, MARKET:							
PUBLIC:							
SPRING	DO	259,410	354,176	158,353	228,973	1,140,795	1,336,850
FALL	DO	25,861	47,960	52,163	76,792	685,592	871,996
PRIVATE:							
SPRING	DO	1,607,149	1,870,943	13,333	20,623	1,897,754	2,199,211
FALL	DO	327,706	576,011	1,756	2,932	431,718	716,770
SCALLOPS, BAY. . . .	DO	-	-	-	-	6,873	13,902

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1961

SPECIES		FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS
		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:						
BLUE:						
HARD	NUMBER PER POUND	2.08	2.10	2.18	2.00	1.71
SOFT AND PEELER.	DO	4.00	-	3.43	3.00	3.00
STONE.	DO	1.00	-	-	-	-
CLAMS, HARD, PUBLIC.	LBS. MEATS PER U.S. STD. BUSHEL	5.20	-	-	-	-
CONCHS	DO	14.00	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	DO	4.60	5.11	4.06	4.56	5.11
FALL	DO	3.82	4.25	3.86	4.50	4.06
PRIVATE:						
SPRING	DO	4.60	5.11	4.06	4.64	5.10
FALL	DO	3.80	4.25	-	4.24	4.10
SCALLOPS, BAY. . . .	DO	5.28	-	-	-	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

WHOLESALING AND MANUFACTURING, 1961

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:						
ESTABLISHMENTS	299	60	58	201	150	768
PERSONS ENGAGED:						
AVERAGE FOR SEASON	3,752	863	1,718	5,880	5,402	17,615
AVERAGE FOR YEAR	2,629	533	1,073	2,677	3,526	10,438
FISHERMEN MANUFACTURING	-	110	-	-	-	110

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GROUPER, FILLETS AND STEAKS:							
FRESH	POUNDS	169,043	$73,521	(1)	(1)	-	-
FROZEN	DO	26,660	11,839	(1)	(1)	-	-
MENHADEN:							
DRY SCRAP AND MEAL	TONS	(1)	(1)	-	-	29,550	$3,062,224
OIL	GALLONS	(1)	(1)	-	-	4,805,886	2,162,649
SOLUBLES	TONS	-	-	-	-	11,392	455,672
MULLET, SALTED:							
FISH	POUNDS	495,657	59,204	-	-	-	-
ROE	DO	19,800	14,810	-	-	-	-
SNAPPER, RED, FRESH AND FROZEN FILLETS AND STEAKS	DO	23,763	20,123	(1)	(1)	-	-
CRABS, BLUE:							
COOKED MEAT, FRESH AND FROZEN	DO	2,068,745	1,941,278	79,280	$78,780	337,500	320,625
SPECIALTIES, FROZEN (BURGERS, CAKES, AND STUFFED)	DO	-	-	(1)	(1)	14,000	10,000
CANNED	STANDARD CASES	-	-	(1)	(1)	6,218	125,050
CRABS, STONE (FROZEN CLAWS)	POUNDS	22,463	16,737	-	-	-	-
SHRIMP:							
FRESH AND FROZEN:							
RAW, HEADLESS	DO	5,238,343	3,704,682	422,325	335,211	1,091,600	820,780
RAW, PEELED (INCLUDING DEVEINED)	DO	3,311,742	3,590,108	-	-	-	-
BREADED	DO	10,284,251	7,825,457	(1)	(1)	-	-
SPECIALTIES (BURGERS, CAKES, STUFFED, AND GUMBO)	DO	(1)	(1)	-	-	-	-
CANNED	STANDARD CASES	-	-	(1)	(1)	83,454	1,943,895
OYSTERS:							
SHUCKED, FRESH AND FROZEN	GALLONS	261,891	1,506,039	144,611	870,441	116,300	726,875
CANNED	STANDARD CASES	-	-	(1)	(1)	96,859	1,332,309
SCALLOPS, BAY, SHUCKED	GALLONS	4,538	29,696	-	-	-	-
UNCLASSIFIED PRODUCTS:							
FISH AND SHELLFISH, FROZEN	POUNDS	2/1,095,505	2/509,758	3/3,557,738	3/1,562,683	-	-
SHELLFISH, CANNED	STANDARD CASES	-	(6)	-	(6)	-	-
ANIMAL FOOD, CANNED	DO	-	-	-	-	2,735,505	13,558,875
MISCELLANEOUS	-	-	9/91,455	-	10/3,079,492	-	11/23,500
TOTAL	-	-	19,394,707	-	5,926,607	-	24,542,454

ITEM		LOUISIANA		TEXAS	
		QUANTITY	VALUE	QUANTITY	VALUE
MENHADEN:					
DRY SCRAP AND MEAL	TONS	60,543	$6,319,926	(1)	(1)
OIL	GALLONS	9,340,476	4,202,328	(1)	(1)
SOLUBLES	TONS	18,039	734,102	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		LOUISIANA		TEXAS	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS, BLUE:					
COOKED MEAT, FRESH AND FROZEN.	POUNDS	479,988	$474,464	(1)	(1)
SPECIALTIES, FROZEN (BURGERS, CAKES, AND STUFFED).	DO	220,663	166,578	(1)	(1)
CANNED	STANDARD CASES	(1)	(1)	(1)	(1)
SHRIMP:					
FRESH AND FROZEN:					
RAW, HEADLESS.	POUNDS	8,747,205	6,355,702	26,798,200	$20,777,237
RAW, PEELED (INCLUDING DEVEINED)	DO	498,786	540,951	8,222,871	8,927,337
COOKED, PEELED	DO	1,332,824	2,354,311	6,000	12,000
BREADED.	DO	1,675,951	1,218,077	30,803,600	22,972,515
SPECIALTIES (BURGERS, CAKES, STUFFED, AND GUMBO).	DO	579,843	410,414	(1)	(1)
CANNED	STANDARD CASES	350,288	6,816,286	(1)	(1)
SUN-DRIED.	POUNDS	418,043	744,798	-	-
OYSTERS:					
SHUCKED, FRESH AND FROZEN.	GALLONS	331,976	2,133,793	107,906	697,614
CANNED	STANDARD CASES	227,741	2,767,596	-	-
UNCLASSIFIED PRODUCTS:					
FISH AND SHELLFISH, FROZEN.	POUNDS	4/129,463	4/68,593	5/685,850	5/604,821
SHELLFISH, CANNED. . . .	STANDARD CASES	7/ 5,066	7/108,556	8/ 27,844	8/570,367
MISCELLANEOUS.	-	-	12/15,291	-	13/4,012,108
TOTAL.	-	-	35,431,766	-	58,573,999

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN SPANISH MACKEREL AND WARSAW FILLETS, COOKED SPINY LOBSTER TAILS, SHRIMP DINNERS, STUFFED SHRIMP, BREADED OYSTERS AND SCALLOPS, AND SHUCKED HARD CLAMS. 3/ INCLUDES FRESH AND FROZEN GROUPER AND RED SNAPPER FILLETS AND STEAKS; FROZEN RAW FISH PORTIONS, BREADED FISH PORTIONS AND STICKS, CRAB ROLLS, DEVILED CRABS, AND BREADED SHRIMP. 4/ INCLUDES FROZEN STUFFED FLOUNDERS, CRAWFISH BISQUE, BREADED OYSTERS, OYSTER BURGERS, STUFFED OYSTERS, AND SHELLFISH GUMBO. 5/ INCLUDES FROZEN FILLETS OF BLACK DRUM, RED DRUM, AND SEA TROUT, STUFFED FLOUNDER, FISH CAKES, COOKED CRAB MEAT, DRESSED CRABS, STUFFED CRAB AND SHRIMP AND BREADED OYSTERS. 6/ INCLUDED WITH MISCELLANEOUS. 7/ INCLUDES CANNED CRAB MEAT, CRAB BISQUE, CRAB GUMBO, CRAWFISH BISQUE, SHRIMP BISQUE, CREOLE, GUMBO, AND STEW, OYSTER STEW, TURTLE SOUP, AND SHELLFISH GUMBO. 8/ INCLUDES CANNED CRAB MEAT AND SHRIMP. 9/ INCLUDES THE VALUE OF SMOKED MULLET SPREAD; CANNED CONCH AND TURTLE CHOWDER; CRAB BACK SHELLS; MENHADEN MEAL AND OIL; AND SHRIMP MEAL. 10/ INCLUDES THE VALUE OF CANNED CRAB MEAT, SHRIMP AND OYSTERS; AND OYSTER SHELL POULTRY GRIT. 11/ INCLUDES THE VALUE OF FISH AND CRAB MEAL. 12/ INCLUDES THE VALUE OF DRIED SPECKLED TROUT, AND SHRIMP MEAL. 13/ INCLUDES THE VALUE OF CRAB BACK SHELLS; OYSTER SHELL POULTRY GRIT AND LIME; AND MENHADEN MEAL, OIL AND SOLUBLES.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH	1,000 POUNDS	952	348
SHELLFISH.	DO	67,810	56,716
BREADED, FISH AND SHELLFISH.	DO	45,766	33,143
SPECIALTIES.	DO	1,859	1,462
CANNED	1,000 STANDARD CASES	3,555	27,696
CURED (SALTED, SMOKED, AND SUN-DRIED) . .	1,000 POUNDS	946	831
INDUSTRIAL PRODUCTS.	-	-	23,674
TOTAL.	-	-	143,870

VALUE OF MANUFACTURED PRODUCTS, 1961

(THOUSANDS OF DOLLARS)

STATE	VALUE
FLORIDA, WEST COAST.	19,395
ALABAMA.	5,927
MISSISSIPPI.	24,542
LOUISIANA.	35,432
TEXAS.	58,574
TOTAL.	143,870

GULF FISHERIES

FLORIDA - WEST COAST

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, SHRIMP	POTS AND TRAPS		
					CRAB		
		MENHADEN	OTHER		BLUE	OTHER	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	80	48	-	2,091	-	-	-
ON BOATS AND SHORE:							
REGULAR	175	-	4	147	221	66	6
CASUAL	20	-	-	10	12	15	-
TOTAL	275	48	4	2,248	233	81	6
VESSELS, MOTOR	10	2	-	875	-	-	-
GROSS TONNAGE	132	262	-	41,250	-	-	-
BOATS:							
MOTOR	47	4	2	104	217	69	5
OTHER	42	2	-	-	-	-	-
GEAR:							
NUMBER	53	2	2	1,750	30,358	13,604	216
LENGTH, YARDS	38,500	800	400	-	-	-	-
YARDS AT MOUTH	-	-	-	[illegible]	-	-	-

ITEM	POTS AND TRAPS-CONTINUED	GILL NETS			TRAMMEL NETS	LINES	
	LOBSTER, SPINY	ANCHOR, SET OR STAKE	DRIFT	RUNAROUND		HAND	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	32	-	18	133	22	1,046	72
ON BOATS AND SHORE:							
REGULAR	170	4	30	1,077	362	482	316
CASUAL	11	-	1	115	19	932	464
TOTAL	213	4	49	1,325	403	2,460	852
VESSELS, MOTOR	16	-	[illegible]	[illegible]	9	219	36
GROSS TONNAGE	166	-	61	441	87	4,583	421
BOATS:							
MOTOR	124	3	16	806	270	1,086	604
OTHER	-	-	-	135	10	-	-
GEAR:							
NUMBER	38,990	7	22	981	288	2,605	1,648
SQUARE YARDS	-	3,600	61,500	1,374,340	358,970	-	-
HOOKS OR BAITS	-	-	-	-	-	5,816	1,648

ITEM	LINES - CONTINUED		DIP NETS		CAST NETS	SPEARS	DREDGES, SCALLOP
	LONG OR SET WITH HOOKS	TROT WITH BAITS	COMMON	DROP			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	4	-	-	-	-	-	-
ON BOATS AND SHORE:							
REGULAR	11	47	15	4	4	46	24
CASUAL	7	-	22	2	26	4	1
TOTAL	22	47	37	6	30	50	25
VESSELS, MOTOR	2	-	-	-	-	-	-
GROSS TONNAGE	46	-	-	-	-	-	-
BOATS, MOTOR	15	46	36	5	24	50	24
GEAR:							
NUMBER	23	46	37	60	30	50	32
HOOKS OR BAITS	19,640	29,100	-	-	-	-	-
YARDS AT MOUTH	-	-	-	-	-	-	32

ITEM	TONGS		RAKES	HOOKS, SPONGE	DIVING OUTFITS, SPONGE	BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER				OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	-	-	-	60	-	-	3,411
ON BOATS AND SHORE:								
REGULAR	536	2	3	67	12	22	6	2,678
CASUAL	33	-	3	84	-	12	16	1,300
TOTAL	[illegible]	2	[illegible]	[illegible]	72	34	22	[illegible]
VESSELS, MOTOR	-	-	-	-	10	-	-	[illegible]
GROSS TONNAGE	-	-	-	-	144	-	-	[illegible]
BOATS:								
MOTOR	487	2	3	50	2	29	16	2,946
OTHER	21	-	-	34	-	-	2	229
GEAR, NUMBER	[illegible]	2	[illegible]	[illegible]	12	-	-	-

FLORIDA, WEST COAST - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	135,900	$5,436	-	-	-	-
BALLYHOO	-	-	61,800	$8,652	-	-
BLUEFISH	129,700	14,267	-	-	-	-
BLUE RUNNER	437,600	18,379	-	-	-	-
CABIO	400	23	-	-	-	-
CATFISH AND BULLHEADS	-	-	-	-	200	$32
CIGARFISH	281,300	19,691	-	-	-	-
CREVALLE	264,300	7,401	-	-	-	-
CROAKER	9,700	794	-	-	-	-
DRUM:						
BLACK	27,500	1,210	-	-	-	-
RED	105,200	11,891	-	-	-	-
FLOUNDERS	15,400	2,542	-	-	87,800	14,487
GRUNTS	1,400	89	-	-	-	-
KING MACKEREL	25,100	2,611	-	-	-	-
KING WHITING OR "KINGFISH"	18,700	1,214	-	-	136,700	8,886
MENHADEN	12,500	313	3,350,000	31,530	-	-
MOJARRA	17,600	1,056	-	-	-	-
MULLET:						
BLACK	4,411,600	242,637	-	-	-	-
SILVER	14,200	895	-	-	-	-
PERMIT	3,600	342	-	-	-	-
PIGFISH	800	56	-	-	-	-
POMPANO	20,200	14,342	-	-	-	-
SEA CATFISH	138,900	8,753	-	-	5,800	365
SEA TROUT OR WEAKFISH:						
SPOTTED	179,800	42,074	-	-	-	-
WHITE	55,200	5,022	-	-	-	-
SHEEPSHEAD, SALT-WATER	14,200	1,250	-	-	-	-
SNAPPER:						
MANGROVE	900	138	-	-	-	-
RED	-	-	-	-	300	80
SPANISH MACKEREL	177,700	17,059	-	-	-	-
SPANISH SARDINES	36,500	730	-	-	-	-
SPOT	75,300	4,066	-	-	9,600	518
STURGEON	-	-	-	-	100	17
TENPOUNDER	272,700	8,997	-	-	-	-
TRIPLETAIL	300	16	-	-	1,400	77
UNCLASSIFIED:						
FOR FOOD	192,100	14,407	-	-	51,400	3,855
BAIT, REDUCTION, AND ANIMAL FOOD	110,000	2,530	-	-	16,000	368
CRABS, BLUE, HARD	-	-	-	-	64,100	2,757
LOBSTERS, SPINY	-	-	-	-	20,800	7,135
SHRIMP	-	-	-	-	36,068,600	11,093,751
SQUID	-	-	-	-	13,200	1,069
TURTLES:						
GREEN	-	-	-	-	1,600	240
LOGGERHEAD	-	-	-	-	2,700	405
TOTAL	7,186,300	450,231	3,411,800	40,182	36,480,300	11,134,042

SPECIES	POTS AND TRAPS		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	2,800	$308
BLUE RUNNER	7,800	$327	-	-	-	-
CATFISH AND BULLHEADS	7,700	1,217	-	-	-	-
MULLET, BLACK	-	-	-	-	29,400	1,617
POMPANO	-	-	-	-	4,600	3,266
SPANISH MACKEREL	-	-	-	-	333,500	32,016
STURGEON	-	-	7,400	$1,266	6,200	1,060
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	200	15
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	1,700	40
CRABS:						
BLUE:						
HARD	16,064,700	690,786	-	-	-	-
SOFT AND PEELER	5,100	2,550	-	-	-	-
STONE	453,300	155,935	-	-	-	-
LOBSTERS, SPINY	2,070,800	710,284	-	-	-	-
TOTAL	18,609,400	1,561,099	7,400	1,266	378,400	38,322

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY GEAR, 1961 - Continued

SPECIES	GILL NETS - CONTINUED		TRAMMEL NETS		LINES	
	RUNAROUND				HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	133,500	$5,340	11,400	$456	-	-
AMBERJACK	-	-	-	-	5,800	$261
BARRACUDA	-	-	-	-	6,000	318
BLUEFISH.	335,600	36,916	72,200	7,942	50,200	5,522
BLUE RUNNER	399,900	16,796	64,700	2,718	30,500	1,281
CABIO	300	17	-	-	14,300	801
CIGARFISH	41,800	2,926	-	-	-	-
CREVALLE.	176,900	4,938	44,800	1,254	48,100	1,346
CROAKER	6,500	533	1,100	90	5,700	466
DOLPHIN	-	-	-	-	200	12
DRUM:						
BLACK	24,700	1,086	8,200	362	14,500	638
RED	529,200	59,800	72,500	8,191	140,600	15,889
FLOUNDERS	8,000	1,319	10,500	1,732	11,900	1,964
GROUPERS.	-	-	-	-	6,370,500	643,420
GRUNTS.	1,000	63	300	19	82,600	5,203
HOGFISH	-	-	-	-	35,300	5,260
JEWFISH	-	-	-	-	50,600	3,642
KING MACKEREL	58,400	6,074	-	-	9,500	988
KING WHITING OR "KINGFISH". .	15,600	1,014	5,200	338	2,500	162
MENHADEN.	9,400	235	3,300	82	-	-
MOJARRA	46,800	2,808	700	42	10,900	653
MULLET:						
BLACK	27,044,500	1,487,450	1,443,800	79,409	-	-
SILVER.	438,900	27,652	17,500	1,103	-	-
PERMIT.	9,400	894	1,700	162	4,900	466
PIGFISH	1,300	93	1,200	85	1,000	70
POMPANO	55,300	39,263	447,100	317,441	800	568
SCUP OR PORGY	-	-	-	-	48,400	3,532
SEA CATFISH	56,500	3,561	18,100	1,140	6,100	383
SEA TROUT OR WEAKFISH:						
SPOTTED	1,468,700	343,674	469,100	109,771	220,400	51,574
WHITE	151,500	13,787	28,400	2,584	16,100	1,465
SHEEPSHEAD, SALT-WATER. . . .	8,000	705	4,400	387	37,000	3,254
SNAPPER:						
MANGROVE.	12,700	1,943	3,400	519	245,100	37,500
MUTTON.	-	-	-	-	89,900	17,622
RED	-	-	-	-	5,445,600	1,448,529
VERMILION	-	-	-	-	21,600	3,888
YELLOWTAIL.	-	-	-	-	639,900	140,778
SPANISH MACKEREL.	3,100,000	297,602	86,200	8,275	151,300	14,525
SPOT.	112,100	6,055	20,400	1,101	16,300	879
TENPOUNDER.	105,400	3,479	4,100	135	6,400	211
TILEFISH.	-	-	-	-	1,200	120
TRIGGERFISH	-	-	-	-	6,500	332
TRIPLETAIL.	-	-	-	-	1,000	55
WARSAW.	-	-	-	-	188,100	10,723
UNCLASSIFIED:						
FOR FOOD.	463,200	34,737	42,500	3,187	168,400	12,633
BAIT, REDUCTION, AND ANIMAL FOOD.	320,900	7,381	93,100	2,141	12,200	280
TURTLES, GREEN.	28,700	4,299	-	-	-	-
TOTAL	35,164,700	2,412,440	2,975,900	550,666	14,217,900	2,437,213

SPECIES	LINES - CONTINUED					
	TROLL		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	1,100	$50	-	-	-	-
BARRACUDA	2,500	133	-	-	-	-
BLUEFISH.	33,400	3,674	-	-	-	-
BLUE RUNNER	6,100	255	-	-	-	-
BONITO.	2,500	150	-	-	-	-
CATFISH AND BULLHEADS	-	-	13,900	$2,196	-	-
CREVALLE.	1,300	36	-	-	-	-
DOLPHIN	23,500	1,457	-	-	-	-
KING MACKEREL	1,590,100	165,370	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	42,800	10,015	-	-	-	-
WHITE	300	27	-	-	-	-
SHARKS, UNCLASSIFIED.	-	-	685,200	11,649	-	-
SPANISH MACKEREL.	139,400	13,382	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	1,000,700	$43,030
TOTAL	1,843,000	194,549	699,100	13,845	1,000,700	43,030

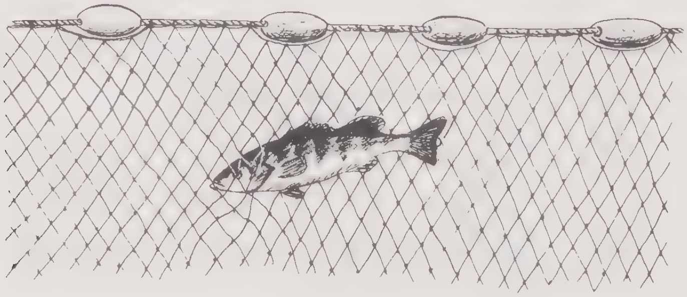
(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY GEAR, 1961 - Continued

SPECIES	DIP NETS		CAST NETS		SPEARS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	-	-	14,900	$2,458
MULLET, BLACK	-	-	34,700	$1,909	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	500	38	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	200	5	-	-
LOBSTERS, SPINY	9,800	$3,361	-	-	-	-
TOTAL	9,800	3,361	35,400	1,952	14,900	2,458

SPECIES	DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	8,600	$3,096	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	753,500	238,859	6,400	$2,029
FALL	-	-	1,709,100	541,785	7,200	2,282
PRIVATE:						
SPRING	-	-	424,600	134,598	-	-
FALL	-	-	330,900	104,895	-	-
SCALLOPS, BAY	36,000	$13,788	-	-	-	-
TOTAL	36,000	13,788	3,226,700	1,023,233	13,600	4,311

SPECIES	HOOKS		DIVING OUTFITS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	-	-	6,600	$2,366
CONCHS	-	-	-	-	1,400	420
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	13,100	4,153
FALL	-	-	-	-	9,300	2,948
SCALLOPS, BAY	-	-	-	-	300	114
SPONGES:						
GRASS	-	-	100	$801	-	-
SHEEPSWOOL	4,800	$42,851	30,700	318,736	-	-
YELLOW	1,100	3,248	200	1,010	-	-
TOTAL	5,900	46,099	31,000	320,547	30,700	10,001



GILL NET

GULF FISHERIES

ALABAMA

OPERATING UNITS BY GEAR, 1961

ITEM	OTTER TRAWLS, SHRIMP	FYKE AND HOOP NETS, FISH	POTS AND TRAPS	
			CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	462	-	-	-
ON BOATS AND SHORE:				
REGULAR	315	10	50	4
CASUAL	40	6	-	8
TOTAL	817	16	50	12
VESSELS, MOTOR	187	-	-	-
GROSS TONNAGE	6,081	-	-	-
BOATS, MOTOR	192	16	45	12
GEAR:				
NUMBER	498	450	5,000	230
YARDS AT MOUTH	7,043	-	-	-

ITEM	GILL NETS, RUNAROUND	TRAMMEL NETS	LINES	
			HAND	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	119	-
ON BOATS AND SHORE:				
REGULAR	20	100	6	2
CASUAL	-	8	20	-
TOTAL	20	108	145	2
VESSELS, MOTOR	-	-	13	-
GROSS TONNAGE	-	-	610	-
BOATS:				
MOTOR	16	40	24	2
OTHER	-	56	-	-
GEAR:				
NUMBER	16	96	133	2
SQUARE YARDS	8,400	80,000	-	-
HOOKS OR BAITS	-	-	668	600

ITEM	LINES - CONTINUED		SPEARS	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	TROT WITH BAITS	SNAG			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	581
ON BOATS AND SHORE:					
REGULAR	21	4	11	592	657
CASUAL	7	4	14	160	201
TOTAL	28	8	25	752	1,439
VESSELS, MOTOR	-	-	-	-	200
GROSS TONNAGE	-	-	-	-	6,691
BOATS:					
MOTOR	28	8	-	410	525
OTHER	-	-	9	115	17[illegible]
GEAR:					
NUMBER	28	150	25	752	-
HOOKS OR BAITS	14,000	45,000	-	-	-

ALABAMA - CATCH BY GEAR, 1961

SPECIES	OTTER TRAWLS		FYKE AND HOOP NETS		POTS AND TRAPS		GILL NETS, RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	-	-	2,900	$209
BLUE RUNNER	-	-	-	-	-	-	300	16
BUFFALOFISH	-	-	28,000	$3,581	5,000	$600	12,100	1,452
CATFISH AND BULLHEADS	-	-	17,000	4,308	20,000	5,060	2,000	500
CROAKER	100	$5	-	-	-	-	-	-
FLOUNDERS	83,600	13,963	-	-	-	-	-	-
GROUPERS	1,200	146	-	-	-	-	-	-
JEWFISH	1,900	148	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	157,600	7,308	-	-	-	-	2,400	109
MULLET, BLACK	-	-	-	-	-	-	52,000	2,579
PADDLEFISH	-	-	4,900	391	-	-	-	-
POMPANO	100	42	-	-	-	-	7,000	3,044
SEA CATFISH	21,300	965	-	-	-	-	1,500	72
SEA TROUT OR WEAKFISH:								
SPOTTED	-	-	-	-	-	-	17,200	4,300
WHITE	33,400	1,589	-	-	-	-	-	-
SHEEPSHEAD:								
FRESH-WATER	-	-	32,000	3,975	-	-	-	-
SALT-WATER	2,600	128	-	-	-	-	-	-
SNAPPER, RED	23,000	3,860	-	-	-	-	-	-
SPANISH MACKEREL	100	11	-	-	-	-	15,200	1,756
STURGEON	-	-	-	-	-	-	3,500	328
TENPOUNDER	-	-	-	-	-	-	1,300	26
CRABS, BLUE, HARD	-	-	-	-	420,000	22,751	-	-
SHRIMP	3,525,400	1,153,538	-	-	-	-	-	-
SQUID	4,000	234	-	-	-	-	-	-
TOTAL	3,854,300	1,181,937	81,900	12,255	445,000	28,411	117,400	14,391

SPECIES	TRAMMEL NETS		LINES					
			HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	700	$45	-	-	-	-	-	-
BLUE RUNNER	1,300	66	-	-	-	-	-	-
CABIO	-	-	700	$58	-	-	-	-
CATFISH AND BULLHEADS	-	-	-	-	2,000	$500	-	-
CROAKER	14,700	659	-	-	-	-	-	-
DRUM:								
BLACK	1,700	98	-	-	-	-	-	-
RED	23,100	3,145	1,200	178	-	-	-	-
FLOUNDERS	2,200	440	-	-	-	-	-	-
GROUPERS	-	-	220,100	28,194	-	-	-	-
JEWFISH	-	-	23,000	1,678	-	-	-	-
KING WHITING OR "KINGFISH"	2,300	106	-	-	-	-	-	-
MULLET, BLACK	845,200	43,334	-	-	-	-	-	-
SEA CATFISH	2,200	100	-	-	-	-	-	-
SEA TROUT OR WEAKFISH,								
SPOTTED	60,000	15,167	4,800	1,210	-	-	-	-
SHEEPSHEAD, SALT-WATER	18,200	918	-	-	-	-	-	-
SNAPPER, RED	-	-	1,761,200	465,646	-	-	-	-
SPOT	25,900	1,305	-	-	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	-	-	418,100	$23,321
TOTAL	997,500	65,383	2,011,000	496,964	2,000	500	418,100	23,321

SPECIES	LINES - CONTINUED		SPEARS		TONGS	
	SNAG					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	10,100	$2,525	-	-	-	-
FLOUNDERS	-	-	11,700	$2,420	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	344,800	$85,796
FALL	-	-	-	-	68,900	33,244
PRIVATE:						
SPRING	-	-	-	-	30,100	10,440
FALL	-	-	-	-	64,700	32,932
TOTAL	10,100	2,525	11,700	2,420	508,500	162,412

GULF FISHERIES

MISSISSIPPI

OPERATING UNITS BY GEAR

ITEM	PURSE SEINES, MENHADEN	OTTER TRAWLS		POTS AND TRAPS, CRAB	GILL NETS, RUNAROUND	TRAMMEL NETS
		FISH	SHRIMP			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	381	239	1,152	-	-	26
ON BOATS AND SHORE:						
REGULAR	-	-	208	55	4	35
CASUAL.	-	-	200	4	-	4
TOTAL	381	239	1,560	59	4	65
VESSELS, MOTOR.	18	92	447	-	-	9
GROSS TONNAGE	5,376	3,757	15,142	-	-	140
BOATS:						
MOTOR	36	-	346	48	4	48
OTHER	17	-	-	-	-	5
GEAR:						
NUMBER.	18	127	1,056	6,460	4	39
LENGTH, YARDS	7,540	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	2,400	31,800
YARDS AT MOUTH.	-	2,376	15,327	-	-	-

ITEM	LINES		CAST NETS	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	TROT WITH BAITS					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	94	-	-	-	463	-	1,960
ON BOATS AND SHORE:							
REGULAR	-	13	2	-	30	539	753
CASUAL.	80	2	5	11	24	145	367
TOTAL	174	15	7	11	517	684	3,080
VESSELS, MOTOR.	12	-	-	-	162	-	567
GROSS TONNAGE	456	-	-	-	3,542	-	23,668
BOATS:							
MOTOR	70	15	-	-	27	551	998
OTHER	2	-	-	-	-	123	147
GEAR:							
NUMBER.	164	15	7	11	378	674	-
HOOKS OR BAITS.	584	7,500	-	-	-	-	-
YARDS AT MOUTH.	-	-	-	-	453	-	-

MISSISSIPPI - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES		OTTER TRAWLS		POTS AND TRAPS		GILL NETS, RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	-	-	-	-	-	-	8,000	$800
CROAKER	-	-	300	$10	-	-	-	-
DRUM:								
BLACK	-	-	900	72	-	-	-	-
RED	-	-	600	90	-	-	-	-
FLOUNDERS	-	-	56,500	6,780	-	-	-	-
KING WHITING OR "KINGFISH".	-	-	249,600	14,977	-	-	-	-
MENHADEN.	301,270,800	$3,404,351	-	-	-	-	-	-
POMPANO	-	-	500	200	-	-	-	-
SEA CATFISH	-	-	6,700	333	-	-	-	-
SEA TROUT OR WEAKFISH:								
SPOTTED	-	-	-	-	-	-	3,500	875
WHITE	-	-	69,100	3,456	-	-	-	-
SHEEPSHEAD, SALT-WATER. . .	-	-	1,000	80	-	-	-	-
SNAPPER, RED.	-	-	2,700	270	-	-	-	-
SPANISH MACKEREL.	-	-	-	-	-	-	8,900	890
SPOT.	-	-	300	18	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	76,857,900	1,306,584	-	-	-	-
CRABS, BLUE:								
HARD.	-	-	-	-	2,334,600	$133,092	-	-
SOFT AND PEELER	-	-	-	-	5,000	850	-	-
SHRIMP.	-	-	4,407,500	1,281,160	-	-	-	-
TOTAL	301,270,800	3,404,351	81,653,600	2,614,030	2,339,600	133,942	20,400	2,565

SPECIES	TRAMMEL NETS		LINES				CAST NETS	
			HAND		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	9,500	$950	-	-	-	-	-	-
CROAKER	2,200	110	-	-	-	-	-	-

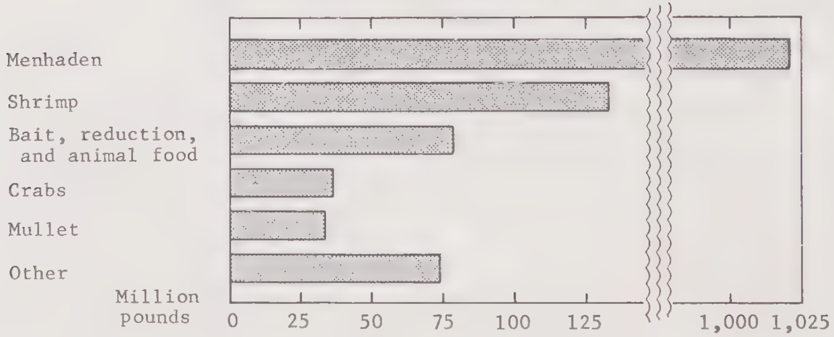
(CONTINUED ON NEXT PAGE)

MISSISSIPPI - CATCH BY GEAR, 1961 - Continued

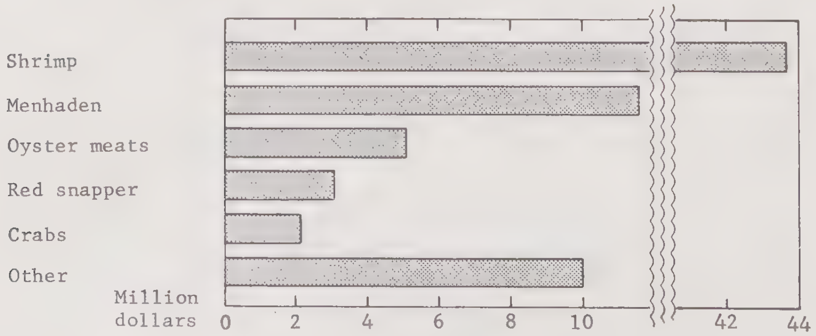
SPECIES	TRAMMEL NETS		LINES				CAST NETS	
			HAND		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
DRUM:								
BLACK	21,800	$1,747	-	-	-	-	-	-
RED	50,400	7,549	1,900	$285	-	-	-	-
GROUPERS	-	-	135,400	16,248	-	-	-	-
KING WHITING OR "KINGFISH"	500	29	-	-	-	-	-	-
MULLET, BLACK	397,300	19,818	-	-	-	-	3,100	$155
POMPANO	900	360	-	-	-	-	-	-
SEA CATFISH	1,000	50	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	159,600	40,887	8,700	2,162	-	-	-	-
SHEEPSHEAD, SALT-WATER	44,700	3,577	600	48	-	-	-	-
SNAPPER, RED	-	-	2,149,000	537,250	-	-	-	-
SPANISH MACKEREL	-	-	500	47	-	-	-	-
SPOT	1,000	60	-	-	-	-	-	-
TRIPLETAIL	200	23	-	-	-	-	-	-
CRABS, BLUE:								
HARD	-	-	-	-	170,300	$9,707	-	-
SOFT AND PEELER	-	-	-	-	2,000	340	-	-
TOTAL	689,100	75,160	2,296,100	556,040	172,300	10,047	3,100	155

SPECIES	SPEARS		DREDGES		TONGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	2,800	$337	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	1,418,200	$297,990	559,900	$124,874
FALL	-	-	281,900	84,570	254,400	82,415
PRIVATE, SPRING	-	-	726,700	162,607	-	-
TOTAL	2,800	337	2,426,800	545,167	814,300	207,289

GULF STATES CATCH, 1961



VALUE OF GULF STATES CATCH, 1961



GULF FISHERIES
LOUISIANA

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS		FYKE AND HOOP NETS, FISH
			FISH	SHRIMP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	812	12	2,613	-
ON BOATS AND SHORE:					
REGULAR	54	-	-	2,668	290
CASUAL	-	-	-	503	205
TOTAL	54	812	12	5,784	495
VESSELS, MOTOR	-	39	4	962	-
GROSS TONNAGE	-	8,953	166	35,352	-
BOATS:					
MOTOR	13	78	-	1,920	491
OTHER	8	-	-	-	-
GEAR:					
NUMBER	13	39	8	3,663	14,546
LENGTH, YARDS	4,966	17,472	-	-	-
YARDS AT MOUTH	-	-	132	50,999	-

ITEM	POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES
	CRAB	CRAWFISH			HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	8	130
ON BOATS AND SHORE:					
REGULAR	5	72	63	121	166
CASUAL	7	40	8	35	103
TOTAL	12	112	71	164	399
VESSELS, MOTOR	-	-	-	4	30
GROSS TONNAGE	-	-	-	47	1,288
BOATS:					
MOTOR	12	109	59	100	249
OTHER	-	-	-	43	-
GEAR:					
NUMBER	300	[illegible]	59	104	11,822
SQUARE YARDS	-	-	38,704	23,848	-
HOOKS OR BAITS	-	-	-	-	12,199

ITEM	LINES - CONTINUED		DIP NETS		SPEARS
	LONG OR SET WITH HOOKS	TROT WITH BAITS	COMMON	DROP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	650	498	10	230	9
CASUAL	445	132	46	51	-
TOTAL	1,095	630	56	281	9
BOATS:					
MOTOR	1,091	621	56	277	-
OTHER	4	-	-	-	-
GEAR:					
NUMBER	1,446	634	56	20,559	9
HOOKS OR BAITS	526,327	382,650	-	-	-

ITEM	DREDGES, OYSTER, COMMON	TONGS, OYSTER	BRUSH TRAPS	GRABS, FROG	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	319	-	-	-	-	3,787
ON BOATS AND SHORE:						
REGULAR	322	233	141	31	46	3,540
CASUAL	57	12	18	5	9	1,090
TOTAL	698	245	159	36	55	[illegible]
VESSELS, MOTOR	133	-	-	-	-	[illegible]
GROSS TONNAGE	[illegible]	-	-	-	-	[illegible]
BOATS:						
MOTOR	191	153	159	34	39	3,563
OTHER	-	12	-	-	4	60
GEAR:						
NUMBER	51	245	52,300	[illegible]	-	-
YARDS AT MOUTH	[illegible]	-	-	-	-	-

LOUISIANA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	2,500	$87	-	-	-	-
BUFFALOFISH	22,000	2,613	-	-	-	-
CABIO	-	-	-	-	300	$14
CATFISH AND BULLHEADS	74,400	15,624	-	-	-	-
CROAKER	5,000	245	-	-	1,500	75
DRUM:						
BLACK	45,700	2,286	-	-	3,000	150
RED	75,600	11,557	-	-	600	84
FLOUNDERS	2,200	305	-	-	207,300	27,819
GARFISH	42,700	2,977	-	-	-	-
GROUPERS	-	-	-	-	2,300	184
JEWFISH	-	-	-	-	1,500	74
KING WHITING OR "KINGFISH"	3,200	160	-	-	515,700	25,866
MENHADEN	-	-	581,682,400	$6,747,527	-	-
MULLET, BLACK	700	35	-	-	-	-
POMPANO	-	-	-	-	800	279
SAWFISH	1,400	68	-	-	2,800	140
SEA CATFISH	7,300	334	-	-	62,700	2,953
SEA TROUT OR WEAKFISH:						
SPOTTED	93,300	22,839	-	-	7,600	1,900
WHITE	4,300	267	-	-	59,900	3,341
SHARKS, UNCLASSIFIED	1,800	45	-	-	1,000	36
SHEEPSHEAD:						
FRESH-WATER	20,700	2,074	-	-	-	-
SALT-WATER	19,500	1,515	-	-	19,000	1,485
SNAPPER, RED	-	-	-	-	250,200	35,736
SPANISH MACKEREL	-	-	-	-	1,700	163
TRIPLETAIL	300	15	-	-	500	22
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	582,000	7,275
CRABS, BLUE, HARD	-	-	-	-	903,900	44,229
SHRIMP	-	-	-	-	31,027,000	8,912,840
SQUID	-	-	-	-	2,100	106
TURTLES, GREEN	-	-	-	-	6,300	813
TOTAL	422,600	63,046	581,682,400	6,747,527	33,659,700	9,065,584

SPECIES	FYKE AND HOOP NETS		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	3,300	$127	-	-	900	$52
BUFFALOFISH	407,000	47,809	-	-	236,100	28,341
CARP	15,200	760	-	-	-	-
CATFISH AND BULLHEADS	1,562,100	323,774	-	-	423,800	88,470
DRUM:						
BLACK	-	-	-	-	11,200	1,110
RED	3,000	420	-	-	1,700	238
GARFISH	3,400	201	-	-	191,300	10,229
PADDLEFISH	-	-	-	-	2,700	270
SHEEPSHEAD, FRESH-WATER	395,500	39,570	-	-	60,500	5,094
CRABS, BLUE, HARD	-	-	38,400	$1,920	-	-
CRAWFISH, FRESH-WATER	-	-	1,003,100	145,802	-	-
TURTLES, SNAPPER	5,700	851	-	-	-	-
TOTAL	2,395,200	413,512	1,041,500	147,722	928,200	133,804

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	300	$11
BUFFALOFISH	3,800	$450	-	-	2,800	336
CABIO	-	-	3,500	$175	-	-
CATFISH AND BULLHEADS	7,800	1,637	25,600	5,376	4,318,200	879,564
CROAKER	11,400	565	-	-	-	-
DRUM:						
BLACK	316,200	15,913	11,500	653	-	-
RED	573,500	82,869	11,600	2,340	-	-
FLOUNDERS	9,500	1,360	-	-	-	-
GARFISH	10,700	542	6,500	250	10,100	505
GROUPERS	-	-	13,500	1,580	-	-
JEWFISH	-	-	8,000	803	-	-
KING WHITING OR "KINGFISH"	12,300	615	-	-	-	-
MULLET, BLACK	11,200	429	-	-	-	-
PADDLEFISH	-	-	-	-	4,500	450
SAWFISH	1,700	87	-	-	-	-
SEA CATFISH	14,700	686	-	-	-	-

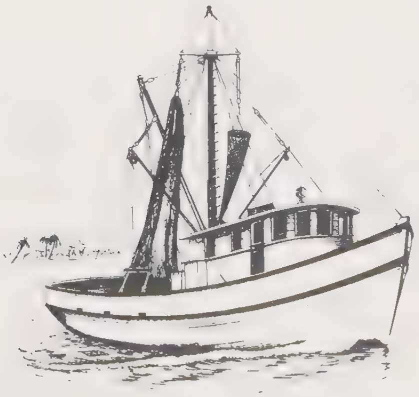
(CONTINUED ON NEXT PAGE)

LOUISIANA - CATCH BY GEAR, 1961 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA TROUT OR WEAKFISH:						
SPOTTED	408,500	$91,279	27,700	$6,925	-	-
WHITE	15,100	807	2,400	120	-	-
SHARKS, UNCLASSIFIED	800	24	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	9,400	763	-	-	55,300	$5,313
SALT-WATER	100,700	6,244	5,400	279	-	-
SNAPPER, RED	-	-	427,000	113,876	-	-
SPOT	2,900	145	-	-	-	-
TRIPLETAIL	100	5	-	-	-	-
TURTLES, SNAPPER	-	-	7,300	926	1,800	180
TOTAL	1,510,300	204,420	550,000	133,303	4,393,000	886,359

SPECIES	LINES - CONTINUED		DIP NETS		SPEARS		DREDGES	
	TROT WITH BAITS							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	-	-	2,000	$360	-	-
CRABS, BLUE:								
HARD	8,613,200	$356,226	2,354,400	$111,813	-	-	-	-
SOFT AND PEELER	68,400	34,200	278,100	139,100	-	-	-	-
CRAWFISH, FRESH-WATER	-	-	15,500	2,325	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	-	-	-	-	1,094,600	$321,905
FALL	-	-	-	-	-	-	52,900	21,660
PRIVATE:								
SPRING	-	-	-	-	-	-	7,282,500	1,814,680
FALL	-	-	-	-	-	-	1,278,100	529,613
TURTLES, BABY	-	-	600	4,500	-	-	-	-
TOTAL	8,681,600	390,426	2,648,600	257,738	2,000	360	9,708,100	2,687,858

SPECIES	TONGS		BRUSH TRAPS		GRABS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, SOFT AND PEELER	-	-	273,800	$136,900	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	79,700	$28,920	-	-	-	-	8,500	$3,351
FALL	63,600	26,300	-	-	-	-	-	-
PRIVATE:								
SPRING	166,800	56,128	-	-	-	-	500	135
FALL	112,000	46,398	-	-	-	-	-	-
FROGS	-	-	-	-	5,400	$1,765	-	-
TOTAL	422,100	157,746	273,800	136,900	5,400	1,765	9,000	3,486



MEDIUM SHRIMP TRAWLER.

GULF FISHERIES
TEXAS

OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, SHRIMP	FYKE AND HOOP NETS, FISH	POTS, CRAB	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	293	4,268	-	-	-	-
ON BOATS AND SHORE:							
REGULAR	63	-	573	3	76	104	96
CASUAL.	7	-	75	-	-	8	3
TOTAL	70	293	4,916	3	76	112	99
VESSELS, MOTOR.	-	14	1,541	-	-	-	-
GROSS TONNAGE	-	2,257	79,044	-	-	-	-
BOATS:							
MOTOR	27	28	429	3	66	82	53
OTHER	-	14	-	-	-	-	14
GEAR:							
NUMBER.	32	14	3,431	15	7,200	82	53
LENGTH, YARDS	7,800	6,650	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	-	53,370	37,641
YARDS AT MOUTH.	-	-	50,591	-	-	-	-

ITEM	LINES		SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	LONG OR SET WITH HOOKS					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	522	-	-	76	-	-	4,776
ON BOATS AND SHORE:							
REGULAR	20	130	56	247	36	-	849
CASUAL.	106	14	25	8	-	3	220
TOTAL	648	144	81	331	36	3	5,845
VESSELS, MOTOR.	151	-	-	35	-	-	1,594
GROSS TONNAGE	7,510	-	-	535	-	-	82,308
BOATS:							
MOTOR	123	144	-	124	31	3	791
OTHER	-	-	-	-	-	-	28
GEAR:							
NUMBER.	648	162	81	159	36	-	-
HOOKS	1,741	338,300	-	-	-	-	-
YARDS AT MOUTH.	-	-	-	159	-	-	-

TEXAS - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	31,000	$3,100	-	-	-	-
CATFISH AND BULLHEADS	40,200	11,256	-	-	-	-
CROAKER	-	-	-	-	6,400	$405
DRUM:						
BLACK	82,500	7,290	-	-	17,300	861
RED	18,900	4,106	-	-	1,300	228
FLOUNDERS, UNCLASSIFIED . . .	3,600	900	-	-	75,700	19,349
GROUPERS.	-	-	-	-	2,200	215
KING MACKEREL	300	28	-	-	-	-
KING WHITING OR "KINGFISH". .	-	-	-	-	42,200	2,459
MENHADEN.	-	-	134,105,200	$1,408,105	-	-
MULLET, SILVER.	1,300	49	-	-	500	15
POMPANO	3,300	1,135	-	-	-	-
SEA CATFISH	100	10	-	-	15,000	1,316
SEA TROUT OR WEAKFISH, SPOTTED.	136,400	31,819	-	-	-	-
SHEEPSHEAD, SALT-WATER. . . .	1,100	57	-	-	20,700	1,032
SNAPPER, RED.	-	-	-	-	29,800	7,150

(CONTINUED ON NEXT PAGE)

TEXAS - CATCH BY GEAR, 1961 - Continued

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNCLASSIFIED:						
FOR FOOD	2,900	$146	-	-	101,600	$5,079
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	261,000	7,830
CRABS, BLUE, HARD	-	-	-	-	130,900	7,368
SHRIMP	-	-	-	-	58,765,900	21,208,428
SQUID	-	-	-	-	11,600	1,128
TOTAL	321,600	59,896	134,105,200	$1,408,105	59,462,100	21,262,[illegible]3

SPECIES	FYKE AND HOOP NETS		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	13,000	$1,300	-	-	47,000	$4,700
CROAKER	-	-	-	-	2,600	260
DRUM:						
BLACK	-	-	-	-	939,400	75,223
RED	-	-	-	-	101,200	22,264
FLOUNDERS, UNCLASSIFIED	-	-	-	-	400	100
GARFISH	-	-	-	-	52,500	2,100
SEA CATFISH	-	-	-	-	2,000	200
SEA TROUT OR WEAKFISH, SPOTTED	-	-	-	-	194,900	46,927
SHEEPSHEAD, SALT-WATER	-	-	-	-	200	10
CRABS, BLUE:						
HARD	-	-	2,743,700	$170,342	-	-
SOFT AND PEELER	-	-	2,400	720	-	-
TOTAL	13,000	1,300	2,746,100	171,062	1,340,200	151,784

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	-	-	8,600	$780	-	-
CATFISH AND BULLHEADS	-	-	-	-	35,800	$11,088
CROAKER	800	$24	-	-	8,400	672
DRUM:						
BLACK	112,800	10,152	7,700	622	475,300	39,361
RED	118,200	26,478	16,500	3,694	361,400	85,148
FLOUNDERS, UNCLASSIFIED	1,300	325	3,300	825	2,800	700
GROUPERS	-	-	53,900	5,287	-	-
MULLET, SILVER	83,900	2,517	-	-	-	-
POMPANO	-	-	-	-	1,300	455
SEA CATFISH	9,700	970	1,300	130	1,900	184
SEA TROUT OR WEAKFISH, SPOTTED	355,400	86,307	40,500	9,808	389,700	102,783
SHEEPSHEAD:						
FRESH-WATER	-	-	-	-	800	85
SALT-WATER	29,300	1,482	2,000	110	300	15
SNAPPER, RED	-	-	1,799,100	447,973	-	-
SPANISH MACKEREL	-	-	100	10	-	-
WARSAW	-	-	35,000	3,537	-	-
UNCLASSIFIED:						
FOR FOOD	3,800	190	500	25	700	35
BAIT, REDUCTION, AND ANIMAL FOOD	120,000	3,600	-	-	-	-
TOTAL	835,200	132,045	1,968,500	472,801	1,278,400	240,526

SPECIES	SPEARS		DREDGES		TONGS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, UNCLASSIFIED	66,400	$16,588	-	-	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	731,600	$206,764	73,200	$20,409	4,000	$1,80[illegible]
FALL	-	-	193,[illegible]00	[illegible]0,411	1[illegible],900	5,841	1,200	[illegible]
PRIVATE:								
SPRING	-	-	68,000	20,[illegible]	-	-	-	-
FALL	-	-	7,200	2,9[illegible]2	-	-	-	-
TOTAL	66,400	16,588	1,[illegible],5[illegible]	[illegible]	9[illegible],100	2[illegible],2[illegible]	[illegible],2[illegible]	[illegible]

GULF SHRIMP FISHERY

Detailed statistics on landings of shrimp by United States craft at Gulf of Mexico ports were collected during 1961 for the sixth consecutive year. The data, summarized on a monthly basis in the following tabulations, include information on species by size; volume and value landed in each State; the number of fishing trips; days fished; and the catch by area, depth, and size of shrimp. Catch figures represent the heads-off weight and, therefore, are not directly comparable with the heads-on (live weight) quantities published in the General Review regional tables, or the Review of Certain Major Fisheries. The pounds of heads-off shrimp may be converted to a heads-on weight by multiplying by 1.68.

Landings at Gulf of Mexico ports during 1961 totaled nearly 80 million pounds (heads-off)--a decrease of 43 million pounds from 1960 and the lowest since 1949. The dockside value of $43.6 million was a decrease of $14 million compared with 1960. As a result of reduced production, ex-vessel prices were at a considerably higher level than the previous year; and although the volume decreased 35 percent, the dockside value declined only 24 percent.

Brown shrimp (*Penaeus aztecus*) predominated the landings, accounting for 49 percent of the total; pink (*Penaeus duorarum*) 30; white (*Penaeus setiferus*) 18; and seabobs, (*Xiphopenaeus kroyeri*) 3 percent. Compared with the species composition of the 1960 landings, brown shrimp decreased 27 million pounds; white, 14 million; and pink, 2 million. There was little change in the size composition of landings compared with 1960. Shrimp with a count of up to 25 per pound, heads-off, accounted for 30 percent of the landings; 26-30 count, 14; 31-40 count, 25; and 41-and-over count, 31 percent.

Declines occurred in the catches in all areas from Pensacola, Florida, to the Mexican border, and also on the Sanibel-Tortugas grounds. The greatest decrease was in the Pensacola to Mississippi River area, where catches were 55 percent below those of 1960; Mississippi River to Texas border production declined 51 percent; waters off the Texas Coast, 45 percent; and the Sanibel-Tortugas grounds, 24 percent. The waters off the northwest Florida coast, Campeche Bank, and the high seas off the Mexican Coast west of 94° were the only areas in which catches exceeded those of the previous year. In the high seas fishery off Mexico west of 94° longitude, fishing effort increased 47 percent over 1960, yet the catch was up 120 percent. In the Apalachicola area (Northwest Florida), fishing effort increased 30 percent, but catches were up only 2 percent. Fishing effort on the Campeche Bank increased 2 percent and resulted in a 1-percent increase in catches over those for 1960.

Information on the landings and catch of shrimp in the Gulf area, contained in the following tables, has been previously published in Current Fishery Statistics No. 2957. Monthly data on the landings and value of shrimp by variety and size for the South Atlantic States are included in Section 5 of this Digest.

SUMMARY OF SHRIMP LANDINGS, 1961

SIZE	BROWN		PINK		WHITE		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNDER 15 . . .	2,034,333	$1,518,047	58,176	$46,075	92,543	$68,590	2,185,052	$1,632,712
15 - 20. . . .	5,525,149	3,988,943	1,122,518	620,213	1,861,239	1,376,140	8,508,906	6,165,296
21 - 25. . . .	4,962,651	3,385,325	5,172,729	3,357,975	2,480,361	1,843,170	12,615,741	8,586,470
26 - 30. . . .	4,611,135	2,937,324	4,591,029	2,787,978	1,589,400	1,101,096	10,791,564	6,826,398
31 - 40. . . .	10,349,100	5,593,725	6,242,155	3,447,542	2,575,664	1,562,453	19,166,919	10,603,720
41 - 50. . . .	3,982,904	1,813,925	2,578,415	1,152,914	1,587,241	835,288	8,148,560	3,802,127
51 - 67. . . .	2,820,021	1,074,857	1,829,512	657,078	2,248,178	1,022,661	6,897,711	2,754,596
68 AND OVER. .	4,867,937	1,467,653	2,488,141	634,284	2,013,846	736,951	9,369,924	2,838,888
TOTAL . .	39,153,230	21,779,799	24,082,675	12,904,059	14,448,472	8,546,349	77,684,377	43,230,207

NOTE:--THIS TABLE DOES NOT INCLUDE DATA ON 1,955,156 POUNDS OF SEA BOBS, VALUED AT $419,510.

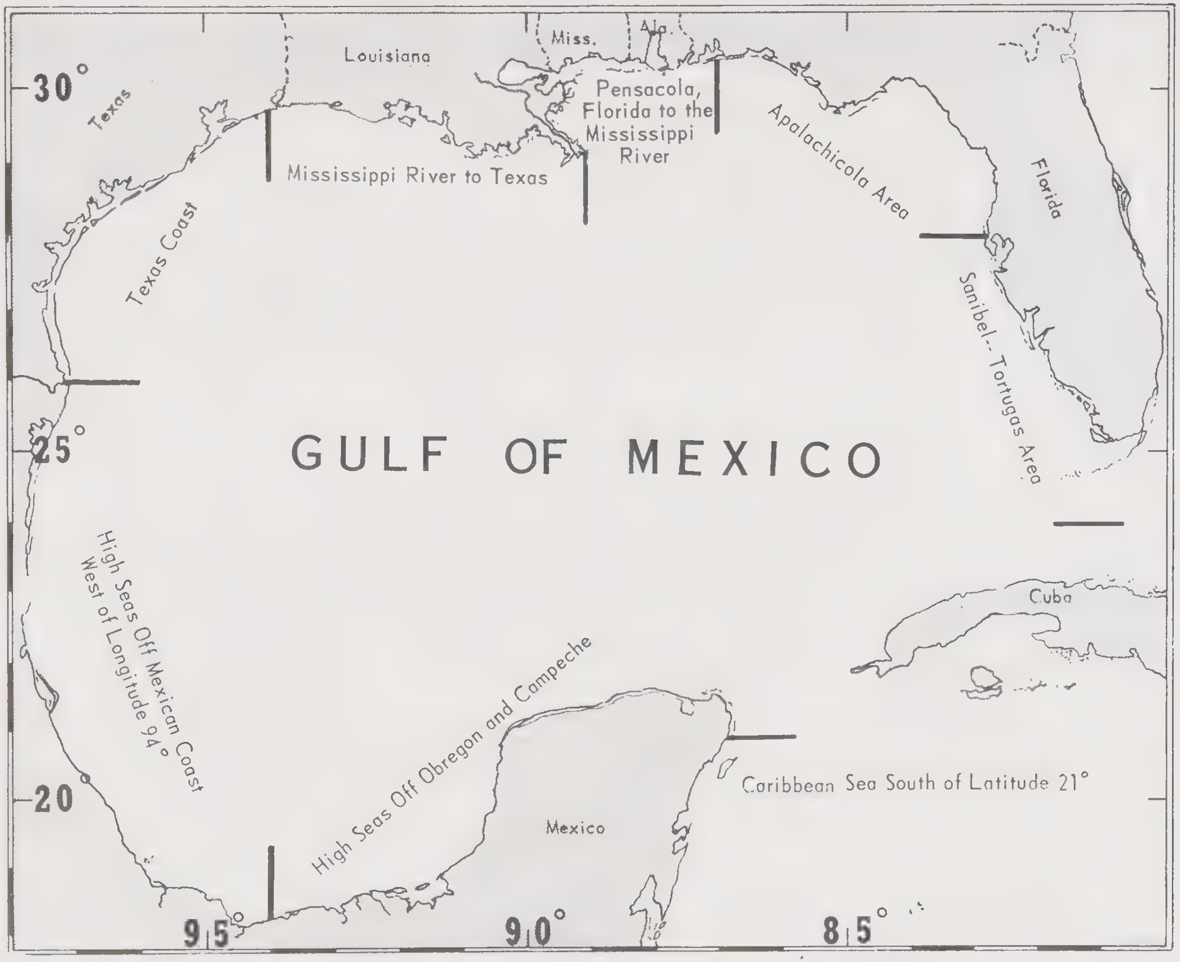

30°
Texas
Louisiana
Miss.
Ala.
Pensacola, Florida to the Mississippi River
Mississippi River to Texas
Texas Coast
Apalachicola Area
Florida
Sanibel-- Tortugas Area
GULF OF MEXICO
25°
High Seas Off Mexican Coast West of Longitude 94°
Cuba
High Seas Off Obregon and Campeche
Caribbean Sea South of Latitude 21°
Mexico
20
95
90°
85°

Chart depicting the major statistical areas used in reporting the shrimp catch by fishing craft on trips completed during 1961.

FLORIDA, WEST COAST SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	2,376	$1,385	5,303	$3,128	12,583	$7,988
21 - 25	280	150	400	215	1,400	832
26 - 30	-	-	-	-	310	164
TOTAL	2,656	1,535	5,703	3,343	14,293	8,984
PINK:						
15 - 20	110,754	66,916	123,764	77,868	110,114	73,393
21 - 25	1,018,102	570,654	604,270	345,940	570,872	349,858
26 - 30	620,449	312,303	407,247	214,047	405,759	228,746
31 - 40	431,806	187,087	324,957	150,900	536,667	273,716
41 - 50	318,968	113,306	218,467	87,715	295,177	129,342
51 - 67	170,479	47,781	126,774	38,770	220,901	76,204
68 AND OVER	33,411	7,079	118,670	27,608	513,210	127,230
TOTAL	2,703,969	1,305,126	1,924,149	942,848	2,652,700	1,258,489
WHITE:						
15 - 20	820	498	400	257	-	-
21 - 25	11,536	6,478	1,690	971	1,299	777
26 - 30	20,695	12,729	3,272	2,130	2,243	1,437
31 - 40	19,836	11,361	1,598	963	147	90
41 - 50	9,803	5,421	1,557	922	445	260
51 - 67	5,340	2,281	917	409	1,914	957
68 AND OVER	3,495	1,126	2,247	765	100	42
TOTAL	71,525	39,894	11,681	6,417	6,148	3,563
SEA BOBS	3,515	438	75	11	-	-
TOTAL, 1961	2,781,665	1,346,993	1,941,608	952,619	2,673,141	1,271,036
TOTAL, 1960	2,483,477	1,051,832	2,129,668	969,299	2,261,077	1,019,557

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	3,302	$2,143	3,517	$2,095	1,708	$1,025
21 - 25	3,460	1,996	-	-	-	-
26 - 30	3,117	1,687	-	-	3,518	1,732
31 - 40	5,495	2,590	5,703	2,327	7,919	3,511
41 - 50	-	-	-	-	4,254	1,756
51 - 67	-	-	-	-	56,394	21,156
68 AND OVER	-	-	3,285	979	5,737	1,949
TOTAL	15,374	8,416	12,505	5,401	79,530	31,129
PINK:						
UNDER 15	15	11	-	-	-	-
15 - 20	28,705	18,867	22,315	13,884	10,567	6,587
21 - 25	197,657	119,697	237,466	136,091	115,093	65,662
26 - 30	312,088	173,146	280,287	145,718	210,047	108,962
31 - 40	441,424	219,322	500,783	229,404	420,366	194,199
41 - 50	288,476	122,604	215,965	84,620	146,538	58,330
51 - 67	259,735	89,875	213,542	74,345	115,675	36,676
68 AND OVER	280,117	58,781	204,597	43,801	45,918	10,559
TOTAL	1,808,217	802,303	1,674,955	727,863	1,064,204	480,975
WHITE:						
15 - 20	-	-	229	153	221	137
21 - 25	-	-	1,068	696	2,704	1,713
26 - 30	500	279	2,075	1,210	1,547	903
31 - 40	900	465	215	101	2,295	965
TOTAL	1,400	744	3,587	2,160	6,767	3,718
SEA BOBS	-	-	-	-	1,796	269
TOTAL, 1961	1,824,991	811,463	1,691,047	735,424	1,152,297	516,091
TOTAL, 1960	2,329,714	1,107,265	2,102,661	1,083,877	1,505,923	827,510

SEE NOTE ON PAGE 265.

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST SHRIMP LANDINGS, BY MONTHS, 1961 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	-	-	-	-	1,500	$1,200
21 - 25	2,165	$1,255	694	$417	6,289	4,716
26 - 30	17,941	9,675	8,060	5,161	70	42
31 - 40	19,378	9,680	206	104	665	429
41 - 50	8,118	3,632	160	85	-	-
51 - 67	19,167	7,019	19,340	8,279	11,574	5,785
68 AND OVER	41,190	14,456	9,053	3,164	-	-
TOTAL	107,959	45,717	37,513	17,210	20,098	12,172
PINK:						
15 - 20	1,370	897	5,420	4,462	10,672	8,695
21 - 25	80,443	48,339	255,378	195,043	60,768	47,180
26 - 30	225,890	124,659	227,604	154,224	213,828	158,071
31 - 40	356,362	178,192	206,188	121,758	473,029	318,489
41 - 50	60,466	24,904	61,528	28,429	52,512	27,076
51 - 67	49,513	15,995	50,905	21,661	60,527	24,961
68 AND OVER	103,490	21,219	112,753	35,234	313,846	79,937
TOTAL	877,534	414,205	919,776	560,811	1,185,182	664,409
WHITE:						
UNDER 15	-	-	-	-	49	32
15 - 20	-	-	-	-	953	609
21 - 25	133	81	-	-	41	24
26 - 30	-	-	-	-	2,110	1,249
31 - 40	-	-	-	-	392	210
41 - 50	-	-	42	21	4,553	2,396
51 - 67	-	-	-	-	24,204	11,145
68 AND OVER	-	-	366	134	45,501	15,683
TOTAL	133	81	408	155	77,803	31,348
SEA BOBS	425	85	-	-	[illegible]	9,443
TOTAL, 1961	986,051	460,088	957,697	578,176	1,339,758	717,372
TOTAL, 1960	1,275,658	640,258	892,953	412,306	1,321,991	556,719

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20	-	-	355	$296	-	-	30,644	$19,260
21 - 25	-	-	-	-	-	-	14,688	9,581
26 - 30	930	$649	6,275	4,139	-	-	40,221	23,249
31 - 40	3,732	2,362	749	484	-	-	43,847	21,487
41 - 50	85	42	126	67	-	-	12,743	5,582
51 - 67	123	61	-	-	-	-	106,598	42,300
68 AND OVER	-	-	-	-	-	-	59,265	20,548
TOTAL	4,870	3,114	7,505	4,986	-	-	308,006	142,007
PINK:								
UNDER 15	-	-	-	-	-	-	15	11
15 - 20	9,370	7,305	49,652	41,256	243,148	$204,507	725,851	524,637
21 - 25	208,859	155,710	429,468	336,647	431,915	340,332	4,210,291	2,711,153
26 - 30	424,316	292,288	356,937	261,800	224,099	164,785	3,908,551	2,338,749
31 - 40	690,630	433,691	389,142	249,350	448,883	296,252	5,220,237	2,852,360
41 - 50	183,389	92,984	266,281	140,479	133,784	74,501	2,241,551	984,290
51 - 67	106,577	38,232	219,470	91,977	64,488	29,476	1,658,586	585,953
68 AND OVER	240,816	60,968	347,361	104,020	117,968	37,947	2,432,157	614,383
TOTAL	1,863,957	1,081,178	2,058,311	1,225,529	1,664,285	1,147,800	20,397,239	10,611,536
WHITE:								
UNDER 15	-	-	-	-	-	-	49	32
15 - 20	503	377	1,725	1,465	1,851	1,572	6,702	5,068
21 - 25	1,723	1,290	43,149	34,314	16,761	13,269	80,104	59,613
26 - 30	3,902	2,699	38,198	28,032	11,181	8,073	85,723	58,741
31 - 40	16,453	9,931	24,541	15,358	7,880	5,128	74,257	44,572
41 - 50	13,882	7,494	5,661	2,990	2,718	1,459	38,661	20,963
51 - 67	18,616	9,196	7,329	3,652	4,325	2,210	62,645	29,850
68 AND OVER	168,163	58,202	60,262	20,824	11,050	4,001	291,184	100,777
TOTAL	223,242	89,189	180,865	106,635	55,766	35,712	[illegible]	[illegible]
SEA BOBS	47,906	7,949	12,694	2,114	1,761	283	124,847	20,592
TOTAL, 1961	2,139,975	1,181,430	2,259,375	1,339,264	1,721,812	1,183,795	21,469,417	11,093,751
TOTAL, 1960	4,682,871	1,911,479	3,435,648	1,597,468	2,045,059	977,383	26,466,700	12,154,953

SEE NOTE ON PAGE [illegible].

ALABAMA SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	2,985	$1,824	1,606	$1,092	872	$593
15 - 20	11,269	7,073	55,158	35,338	32,558	20,956
21 - 25	17,667	10,123	5,767	3,425	223	136
26 - 30	3,148	1,645	407	220	65	35
31 - 40	495	234	2,730	1,412	-	-
41 - 50	501	206	105	43	-	-
51 - 67	60	24	-	-	-	-
68 AND OVER	60	21	-	-	-	-
TOTAL	36,185	21,150	65,773	41,530	33,718	21,720
PINK:						
15 - 20	-	-	-	-	63	41
26 - 30	-	-	-	-	82	45
41 - 50	-	-	-	-	450	263
51 - 67	-	-	-	-	420	147
68 AND OVER	-	-	4,172	2,099	9,827	3,350
TOTAL	-	-	4,172	2,099	10,842	3,846
WHITE:						
UNDER 15	678	325	-	-	-	-
15 - 20	9,834	6,280	6,939	4,546	72	47
21 - 25	8,256	4,858	8,674	5,255	-	-
26 - 30	4,335	2,352	1,894	1,058	200	112
31 - 40	2,450	1,146	966	482	-	-
41 - 50	1,101	438	329	141	-	-
51 - 67	2,127	835	-	-	-	-
68 AND OVER	378	136	285	142	1,523	586
TOTAL	29,159	16,370	19,087	11,026	1,795	745
TOTAL, 1961	65,344	37,520	89,032	55,255	46,355	26,311
TOTAL, 1960	81,945	45,961	34,889	19,402	39,402	25,433

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	435	$296	-	-	802	$545
15 - 20	5,460	3,568	8,682	$5,650	5,916	3,842
21 - 25	212	99	966	580	5,994	3,618
26 - 30	-	-	-	-	11,197	6,138
31 - 40	-	-	-	-	58,720	28,606
41 - 50	-	-	-	-	42,534	18,358
51 - 67	-	-	100	42	51,251	19,537
68 AND OVER	-	-	2,634	681	128,143	43,039
TOTAL	6,107	3,963	12,382	7,153	304,557	123,683
PINK:						
15 - 20	771	506	773	489	1,024	661
21 - 25	906	553	15,803	9,582	12,065	7,145
26 - 30	33	18	3,179	1,793	12,905	6,889
31 - 40	3,398	1,712	7,200	3,776	12,669	6,399
41 - 50	530	232	1,245	593	2,550	1,051
51 - 67	3,812	1,449	224	87	1,043	387
68 AND OVER	11,430	3,798	14,546	4,476	2,808	843
TOTAL	20,882	8,268	42,970	20,796	45,064	23,375
WHITE:						
15 - 20	-	-	298	201	1,314	864
21 - 25	-	-	729	494	826	513
26 - 30	472	263	173	111	35	17
31 - 40	646	343	247	163	340	155
41 - 50	1,045	492	11	5	-	-
51 - 67	60	23	-	-	-	-
TOTAL	2,223	1,121	1,458	974	2,515	1,549
TOTAL, 1961	29,212	13,352	56,810	28,923	352,136	148,607
TOTAL, 1960	68,713	47,561	62,581	36,248	565,737	238,398

SEE NOTE ON PAGE 265.

(CONTINUED ON NEXT PAGE)

ALABAMA SHRIMP LANDINGS, BY MONTHS, 1961 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	100	$73	720	$576	6,026	$5,083
15 - 20	6,105	4,052	23,011	17,084	23,206	18,135
21 - 25	11,224	6,736	73,173	52,626	67,634	50,562
26 - 30	67,466	38,002	55,693	36,712	53,286	37,662
31 - 40	143,963	73,495	82,038	47,340	28,442	18,483
41 - 50	90,559	43,917	40,547	20,758	1,910	1,101
51 - 67	147,841	66,188	39,927	18,166	1,050	505
68 AND OVER	205,044	81,945	17,527	7,045	-	-
TOTAL	672,302	314,408	332,636	200,307	181,554	131,531
PINK:						
15 - 20	-	-	236	169	-	-
31 - 40	-	-	240	137	-	-
TOTAL	-	-	476	306	-	-
*WHITE:						
UNDER 15	-	-	-	-	227	204
15 - 20	250	156	-	-	180	144
21 - 25	32	19	-	-	810	621
26 - 30	-	-	-	-	140	109
31 - 40	-	-	-	-	4,380	2,842
51 - 67	-	-	997	479	70	29
68 AND OVER	-	-	15,192	6,330	-	-
TOTAL	282	175	16,189	6,809	5,807	3,949
TOTAL, 1961	672,584	314,583	349,301	207,422	187,361	135,480
TOTAL, 1960	1,090,480	480,012	646,582	298,234	509,896	256,217

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	-	-	-	-	-	-	13,546	$10,082
15 - 20	2,795	$2,327	1,591	$1,303	9,798	$8,404	185,549	127,732
21 - 25	6,886	5,186	2,727	2,174	14,957	12,056	207,430	147,321
26 - 30	5,609	4,068	257	185	8,038	6,064	205,166	130,731
31 - 40	9,440	6,276	412	311	4,094	2,875	330,334	179,032
41 - 50	3,385	2,043	739	444	558	334	180,838	87,204
51 - 67	1,462	687	60	24	386	192	242,137	105,365
68 AND OVER	-	-	-	-	-	-	353,408	132,931
TOTAL	29,577	20,587	5,786	4,441	37,831	29,925	1,718,408	920,398
PINK:								
15 - 20	676	575	-	-	-	-	3,543	2,441
21 - 25	2,642	2,114	-	-	-	-	31,418	19,394
26 - 30	8,426	6,320	-	-	-	-	24,625	15,065
31 - 40	6,671	4,660	-	-	-	-	30,178	16,684
41 - 50	1,182	709	-	-	-	-	5,957	2,848
51 - 67	-	-	-	-	-	-	5,499	2,070
68 AND OVER	-	-	-	-	-	-	42,783	14,566
TOTAL	19,597	14,378	-	-	-	-	144,003	73,068
WHITE:								
UNDER 15	-	-	-	-	-	-	905	529
15 - 20	1,944	1,606	9,087	7,726	7,577	6,481	37,495	28,053
21 - 25	7,842	6,225	31,004	24,877	10,785	8,787	68,958	51,649
26 - 30	571	424	22,154	16,667	14,185	10,714	44,159	31,627
31 - 40	642	409	12,808	8,984	12,908	8,599	35,387	23,123
41 - 50	4,910	2,621	5,066	3,154	8,044	5,012	20,506	11,863
51 - 67	2,064	1,125	3,823	2,240	1,584	860	10,725	5,591
68 AND OVER	-	-	-	-	520	243	17,898	7,437
TOTAL	17,973	12,410	83,942	63,648	55,603	40,696	236,033	[illegible]
TOTAL, 1961	67,147	47,375	89,728	68,089	93,434	70,621	2,098,444	[illegible]
TOTAL, 1960	602,896	325,186	399,691	224,493	164,412	93,220	4,267,224	2,090,365

SEE NOTE ON PAGE 265.

MISSISSIPPI SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	-	-	-	-	1,100	$748
15 - 20	11,619	$7,132	18,957	$11,817	32,913	20,892
21 - 25	8,565	4,892	6,953	4,068	250	145
26 - 30	4,149	2,123	1,075	583	-	-
31 - 40	438	211	-	-	125	58
41 - 50	2,830	1,172	63	27	-	-
51 - 67	675	315	-	-	-	-
TOTAL	28,276	15,845	27,048	16,495	34,388	21,843
PINK:						
31 - 40	-	-	-	-	1,550	1,000
41 - 50	-	-	-	-	4,070	2,630
51 - 67	-	-	-	-	625	350
TOTAL	-	-	-	-	6,245	3,980
WHITE:						
15 - 20	2,280	1,474	525	333	-	-
21 - 25	6,856	4,037	1,976	1,174	-	-
31 - 40	1,840	920	-	-	-	-
TOTAL	10,976	6,431	2,501	1,507	-	-
TOTAL, 1961	39,252	22,276	29,549	18,002	40,633	25,823
TOTAL, 1960	25,853	13,294	16,310	9,566	26,863	16,020

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	-	-	-	-	21	$14
15 - 20	20,275	$13,023	28,548	$18,217	12,431	7,885
21 - 25	-	-	6,898	4,015	2,741	1,552
26 - 30	-	-	838	454	5,672	3,028
31 - 40	-	-	375	195	6,813	3,373
41 - 50	-	-	270	108	47,900	21,086
51 - 67	129	51	3,241	1,295	259,948	102,251
68 AND OVER	-	-	-	-	280,228	100,792
TOTAL	20,404	13,074	40,170	24,284	615,754	239,981
PINK:						
15 - 20	-	-	-	-	1,035	659
21 - 25	-	-	1,783	1,059	2,724	1,533
26 - 30	1,210	800	2,345	1,305	5,891	3,210
31 - 40	5,470	3,204	10,245	5,115	20,076	9,530
41 - 50	3,400	1,685	3,671	1,689	16,307	7,135
51 - 67	-	-	180	90	3,458	1,498
68 AND OVER	-	-	-	-	13,190	5,330
TOTAL	10,080	5,689	18,224	9,258	62,681	28,895
WHITE:						
15 - 20	-	-	-	-	149	96
21 - 25	-	-	-	-	120	80
TOTAL	-	-	-	-	269	176
TOTAL, 1961	30,484	18,763	58,394	33,542	678,704	269,052
TOTAL, 1960	35,230	21,673	28,025	16,741	1,394,025	512,477

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(CONTINUED ON NEXT PAGE)

MISSISSIPPI SHRIMP LANDINGS, BY MONTHS, 1961 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	-	-	-	-	6,525	$5,371
15 - 20	1,800	$1,134	2,806	$2,104	8,107	5,734
21 - 25	3,200	1,856	16,873	11,822	34,485	24,601
26 - 30	7,700	4,072	81,117	47,765	69,091	45,539
31 - 40	82,792	45,454	197,895	105,223	39,715	22,493
41 - 50	163,155	72,996	97,179	45,737	7,488	3,638
51 - 67	445,968	183,038	49,621	20,202	4,839	2,235
68 AND OVER	112,025	43,509	361	127	514	210
TOTAL	816,640	352,059	445,852	232,980	170,764	109,821
PINK:						
15 - 20	150	98	250	140	-	-
21 - 25	-	-	523	449	-	-
26 - 30	3,996	2,137	1,799	1,225	-	-
31 - 40	7,554	3,962	927	485	-	-
41 - 50	1,118	524	-	-	-	-
51 - 67	243	96	-	-	-	-
TOTAL	13,061	6,837	3,499	2,299	-	-
WHITE:						
15 - 20	80	52	-	-	-	-
21 - 25	-	-	-	-	2,626	1,710
26 - 30	-	-	-	-	16,626	10,252
31 - 40	-	-	1,449	720	8,680	5,171
41 - 50	-	-	4,723	2,194	4,563	2,218
51 - 67	-	-	2,220	908	1,438	683
68 AND OVER	-	-	376	123	875	335
TOTAL	80	52	8,768	3,945	34,808	20,369
TOTAL, 1961	829,781	358,948	458,119	239,224	205,572	130,190
TOTAL, 1960	1,828,708	780,211	1,048,737	464,329	692,174	324,936

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	2,800	$2,175	-	-	-	-	10,446	$8,308
15 - 20	7,016	5,222	625	$450	6,223	$5,207	151,320	98,817
21 - 25	16,472	11,588	1,500	1,025	7,146	5,612	105,083	71,176
26 - 30	19,903	12,978	1,000	660	1,000	685	191,545	117,887
31 - 40	10,222	5,972	-	-	1,008	639	339,383	183,618
41 - 50	5,126	2,768	63	33	1,364	858	325,238	148,423
51 - 67	8,836	4,163	348	165	1,248	677	775,053	314,392
68 AND OVER	277	114	-	-	125	50	393,530	144,802
TOTAL	70,652	44,980	3,536	2,333	18,114	13,728	2,291,598	1,087,423
PINK:								
15 - 20	-	-	-	-	-	-	1,435	897
21 - 25	-	-	-	-	-	-	5,030	3,041
26 - 30	-	-	-	-	-	-	15,241	8,677
31 - 40	-	-	-	-	-	-	45,822	23,316
41 - 50	-	-	-	-	-	-	28,566	13,663
51 - 67	-	-	-	-	-	-	4,506	2,034
68 AND OVER	-	-	-	-	-	-	13,190	5,330
TOTAL	-	-	-	-	-	-	113,790	56,958
WHITE:								
15 - 20	3,314	2,450	1,420	1,078	186	157	7,954	5,640
21 - 25	18,418	12,872	15,072	11,093	16,532	12,825	61,600	43,791
26 - 30	11,752	7,282	9,057	5,996	12,073	8,311	49,508	31,541
31 - 40	9,875	5,705	16,746	10,264	7,341	4,807	45,931	[illegible]
41 - 50	2,718	1,476	14,043	7,826	3,503	2,092	29,550	[illegible]
51 - 67	3,500	1,695	4,456	2,306	8,769	5,135	20,383	[illegible]
68 AND OVER	1,250	600	-	-	712	327	3,213	[illegible]
TOTAL	50,827	32,080	60,794	38,565	49,116	33,654	218,139	[illegible]
TOTAL, 1961	121,479	77,060	64,330	40,898	67,230	47,382	[illegible]	[illegible]
TOTAL, 1960	853,132	420,384	475,157	242,678	[illegible]	[illegible]	[illegible]	[illegible]

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LOUISIANA SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	545	$387	7,200	$4,901	38,364	$26,735
15 - 20	14,041	9,224	50,059	32,431	131,558	86,999
21 - 25	120,506	72,172	79,587	48,086	41,940	25,560
26 - 30	31,646	17,285	22,645	11,432	10,115	5,731
31 - 40	15,066	7,063	6,887	3,358	875	425
41 - 50	1,630	625	90	39	15	6
51 - 67	163	57	18	6	-	-
68 AND OVER	172	52	-	-	4	1
TOTAL	183,769	106,865	166,486	100,253	222,871	145,457
PINK, 21 - 25	-	-	-	-	393	252
WHITE:						
UNDER 15	1,793	1,306	1,017	744	122	89
15 - 20	74,460	50,221	31,559	20,986	12,059	8,050
21 - 25	136,526	83,430	17,927	11,120	11,641	6,983
26 - 30	67,951	38,179	14,158	8,087	3,001	1,667
31 - 40	60,360	29,885	12,904	6,433	1,527	680
41 - 50	3,601	1,432	205	94	1,716	755
51 - 67	540	211	3,445	1,759	4,251	1,347
68 AND OVER	7,292	1,518	190	31	7	1
TOTAL	352,523	206,182	81,405	49,254	34,324	19,572
SEA BOBS	11,828	2,152	8,136	1,680	-	-
TOTAL, 1961	548,120	315,199	256,027	151,187	257,588	165,281
TOTAL, 1960	927,763	508,467	547,914	316,685	700,047	454,689

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	22,339	$14,739	24,227	$15,924	11,595	$7,573
15 - 20	77,224	50,458	73,497	48,457	27,095	17,434
21 - 25	14,074	8,331	11,071	6,543	16,988	9,910
26 - 30	1,239	662	7,533	4,147	65,620	35,278
31 - 40	361	175	2,066	993	303,404	137,951
41 - 50	-	-	21,965	7,628	305,784	112,626
51 - 67	-	-	204,924	64,317	590,579	192,992
68 AND OVER	86	13	1,229,415	311,690	1,620,686	493,186
TOTAL	115,323	74,378	1,574,698	459,699	2,941,751	1,006,950
PINK:						
15 - 20	-	-	293	153	-	-
21 - 25	-	-	404	242	607	364
26 - 30	-	-	1,558	834	3,394	1,846
31 - 40	-	-	2,186	1,186	1,836	953
41 - 50	-	-	-	-	719	263
TOTAL	-	-	4,441	2,415	6,556	3,426
WHITE:						
UNDER 15	395	268	6,505	4,416	16,196	10,888
15 - 20	7,528	5,002	99,757	65,895	101,976	68,321
21 - 25	256	158	6,608	3,989	1,525	955
26 - 30	691	387	1,130	562	132	59
31 - 40	699	363	3,713	1,723	419	192
41 - 50	141	61	-	-	125	45
51 - 67	141	52	-	-	-	-
68 AND OVER	-	-	83	14	447	90
TOTAL	9,851	6,291	117,796	76,599	120,820	80,550
TOTAL, 1961	125,174	80,669	1,696,935	538,713	3,069,127	1,090,926
TOTAL, 1960	871,187	575,762	2,470,332	856,768	6,921,613	2,414,360

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LOUISIANA SHRIMP LANDINGS, BY MONTHS, 1961 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	43,839	$30,915	51,052	$39,936	8,360	$7,024
15 - 20	54,822	36,480	99,825	76,033	32,664	26,496
21 - 25	77,568	47,769	221,965	149,708	180,417	140,703
26 - 30	168,499	94,469	271,006	174,843	151,781	110,592
31 - 40	1,052,001	523,701	747,546	441,934	137,682	91,234
41 - 50	240,734	104,087	274,548	139,996	29,999	16,247
51 - 67	126,957	49,833	95,896	42,127	16,079	7,368
68 AND OVER	742,299	238,683	80,000	26,898	117,652	43,207
TOTAL	2,506,719	1,125,937	1,841,838	1,091,475	674,634	442,871
WHITE:						
UNDER 15	3,843	2,753	1,527	1,196	53	45
15 - 20	10,711	7,345	6,313	4,879	7,856	6,740
21 - 25	5	3	338	237	114,051	86,549
26 - 30	-	-	5,878	4,241	89,665	65,657
31 - 40	-	-	62,299	38,401	295,022	173,036
41 - 50	-	-	138,556	67,671	34,733	18,835
51 - 67	-	-	35,896	16,654	52,460	24,941
68 AND OVER	-	-	76,921	25,879	157,556	58,605
TOTAL	14,559	10,101	327,728	159,158	751,396	434,408
SEA BOBS	-	-	4,335	1,063	58,069	12,967
TOTAL, 1961	2,521,278	1,136,038	2,173,901	1,251,696	1,484,099	890,246
TOTAL, 1960	4,699,862	1,934,512	5,189,199	1,963,124	4,791,049	2,144,761

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	1,075	$888	-	-	310	$273	208,906	$149,295
15 - 20	12,436	10,101	920	$751	911	796	575,052	395,660
21 - 25	60,180	46,643	2,359	1,839	11,057	8,911	837,712	566,175
26 - 30	75,807	55,309	4,575	3,363	36,717	28,990	847,183	542,101
31 - 40	19,879	12,832	9,526	6,526	13,035	9,262	2,308,328	1,235,454
41 - 50	9,118	5,047	1,544	953	1,375	857	886,802	388,111
51 - 67	8,173	3,923	1,965	1,049	1,939	1,085	1,046,693	362,757
68 AND OVER	308	100	-	-	-	-	3,790,622	1,113,830
TOTAL	186,976	134,843	20,889	14,481	65,344	50,174	10,501,298	4,753,383
PINK:								
15 - 20	-	-	-	-	-	-	293	153
21 - 25	-	-	-	-	-	-	1,404	858
26 - 30	-	-	-	-	-	-	4,952	2,680
31 - 40	-	-	-	-	-	-	4,022	2,139
41 - 50	-	-	-	-	-	-	719	263
TOTAL	-	-	-	-	-	-	11,390	6,093
WHITE:								
UNDER 15	621	488	5,212	4,565	2,206	1,944	39,490	28,702
15 - 20	171,989	144,724	138,960	116,189	86,281	73,786	749,449	572,138
21 - 25	462,264	357,023	133,118	103,784	61,936	50,082	946,195	704,313
26 - 30	178,003	129,340	84,147	62,626	103,719	78,273	548,475	389,078
31 - 40	227,564	144,973	191,228	123,615	171,930	113,385	1,027,665	632,686
41 - 50	232,921	129,771	148,091	85,645	91,275	53,910	651,364	358,219
51 - 67	623,096	281,090	426,934	212,633	129,689	66,135	1,276,452	604,822
68 AND OVER	330,950	132,954	566,513	236,980	113,099	46,957	1,253,058	503,029
TOTAL	2,227,408	1,320,363	1,694,203	946,037	760,135	484,472	6,492,148	3,792,987
SEA BOBS	420,506	92,928	574,929	144,086	385,793	105,501	1,463,596	360,377
TOTAL, 1961	2,834,890	1,548,134	2,290,021	1,104,604	1,211,272	640,147	18,468,432	8,912,840
TOTAL, 1960	5,344,602	2,704,477	3,265,991	1,492,058	1,030,009	514,904	36,759,568	15,880,567

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TEXAS SHRIMP LANDINGS, BY MONTHS, 1961

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	222,664	$151,641	152,289	$104,452	147,031	$99,436
15 - 20	276,882	177,968	227,036	147,849	254,215	164,284
21 - 25	314,426	183,310	181,461	107,545	200,699	118,625
26 - 30	292,429	157,394	140,294	76,482	147,140	80,704
31 - 40	311,538	147,567	140,223	69,557	111,047	53,458
41 - 50	15,429	6,257	15,826	7,278	11,934	4,924
51 - 67	6,107	2,243	2,556	1,141	2,205	912
68 AND OVER	11	5	127	68	8	5
TOTAL	1,439,486	826,385	859,812	514,372	874,279	522,348
PINK:						
UNDER 15	3,595	2,515	13,246	9,463	5,700	3,967
15 - 20	29,165	19,237	78,018	50,230	37,419	23,521
21 - 25	56,891	32,996	184,195	109,210	170,504	101,661
26 - 30	25,788	14,111	45,209	24,658	65,195	35,609
31 - 40	36,768	17,714	73,170	35,672	105,277	49,955
41 - 50	1,705	764	16,220	7,562	30,426	12,338
51 - 67	4,695	2,297	17,940	7,156	19,128	7,434
68 AND OVER	11	5	-	-	-	-
TOTAL	158,618	89,639	427,998	243,951	433,649	234,485
WHITE:						
UNDER 15	1,200	819	2,120	1,462	1,920	1,321
15 - 20	20,776	13,302	21,285	13,338	23,846	15,370
21 - 25	21,109	12,695	17,668	10,448	18,159	10,807
26 - 30	9,351	5,047	15,199	8,258	22,071	12,095
31 - 40	35,727	17,152	30,300	14,789	115,408	53,793
41 - 50	14,330	5,703	16,635	7,213	102,640	43,687
51 - 67	17,827	6,350	97,639	32,993	66,608	22,415
68 AND OVER	19,105	4,037	1,335	305	1,497	533
TOTAL	139,425	65,105	202,181	88,806	352,149	160,021
TOTAL, 1961	1,737,529	981,129	1,489,991	847,129	1,660,077	916,854
TOTAL, 1960	1,180,316	649,816	927,816	530,800	981,321	574,543

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	95,549	$63,802	125,602	$81,350	151,783	$103,794
15 - 20	291,963	186,381	532,644	334,602	381,710	240,041
21 - 25	223,598	131,899	265,171	154,120	213,098	125,084
26 - 30	96,076	52,318	74,162	39,196	188,368	101,993
31 - 40	70,375	33,282	51,969	23,571	699,576	316,166
41 - 50	17,257	6,664	27,268	10,506	470,049	184,307
51 - 67	6,179	2,130	7,590	2,929	266,355	90,058
68 AND OVER	5	2	631	148	29,424	5,238
TOTAL	801,002	476,478	1,085,037	646,422	2,400,363	1,166,681
PINK:						
UNDER 15	1,270	957	815	531	110	64
15 - 20	15,694	10,181	14,325	8,990	4,262	2,720
21 - 25	37,424	22,152	46,607	26,969	15,011	8,765
26 - 30	41,285	22,601	28,598	14,783	22,125	11,644
31 - 40	45,402	21,605	62,210	28,298	34,718	16,005
41 - 50	20,859	8,376	32,399	12,217	26,822	10,251
51 - 67	16,063	5,330	26,953	9,645	26,818	9,412
TOTAL	177,997	91,202	211,907	101,433	129,866	58,861
WHITE:						
UNDER 15	2,728	1,830	7,840	5,162	1,220	869
15 - 20	15,809	10,293	258,797	161,577	48,052	30,076
21 - 25	15,484	9,173	54,047	30,975	3,794	2,058
26 - 30	22,074	11,917	3,694	1,989	22,152	11,740
31 - 40	67,948	32,938	22,641	10,332	678	311
41 - 50	7,935	3,175	272	103	125	48
51 - 67	2,986	934	25,060	7,999	4,853	1,696
68 AND OVER	19	5	99	25	-	-
TOTAL	134,983	70,265	372,450	218,162	80,874	45,798
SEA BOBS	69	7	-	-	-	-
TOTAL, 1961	1,114,051	637,952	1,669,394	966,017	2,611,103	1,272,340
TOTAL, 1960	1,334,413	804,903	1,427,136	942,085	1,221,052	834,938

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TEXAS SHRIMP LANDINGS, BY MONTHS, 1961 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	112,205	$80,281	152,210	$127,583	283,179	$238,655
15 - 20	153,205	103,356	424,097	336,565	618,561	499,206
21 - 25	248,116	154,062	445,468	326,914	744,213	562,474
26 - 30	373,484	210,987	934,283	641,468	684,900	483,692
31 - 40	2,178,809	1,022,483	2,220,050	1,317,874	856,995	544,912
41 - 50	863,472	339,577	596,301	305,793	240,869	134,616
51 - 67	193,362	69,211	91,569	42,911	36,545	18,314
68 AND OVER	227,395	46,534	13,077	3,448	434	94
TOTAL	4,350,048	2,026,491	4,877,055	3,102,556	3,465,696	2,481,963
PINK:						
UNDER 15	30	22	2,570	2,170	2,420	2,079
15 - 20	683	441	14,570	11,656	16,104	12,841
21 - 25	5,524	3,214	14,770	11,171	19,405	14,964
26 - 30	1,581	858	23,285	16,463	37,538	27,512
31 - 40	3,327	1,525	16,640	10,303	39,927	23,966
41 - 50	780	312	8,122	4,445	19,089	10,583
51 - 67	560	196	9,143	4,466	15,312	7,792
TOTAL	12,485	6,568	89,100	60,674	149,795	99,737
WHITE:						
UNDER 15	14,009	9,977	3,523	2,691	130	110
15 - 20	165,468	108,855	57,655	41,450	1,031	768
21 - 25	8,205	5,183	619	485	59,643	39,851
26 - 30	5,802	3,397	18,593	12,917	99,466	65,875
31 - 40	8,070	3,802	128,809	81,001	248,770	158,876
41 - 50	78	34	134,744	72,896	112,015	61,213
51 - 67	1,828	739	120,903	58,578	112,166	49,085
68 AND OVER	-	-	119,272	29,876	35,469	11,683
TOTAL	203,460	131,987	584,118	299,894	668,690	387,461
SEA BOBS	30	9	14,046	2,107	-	-
TOTAL, 1961	4,566,023	2,165,055	5,564,319	3,465,231	4,284,181	2,969,161
TOTAL, 1960	9,677,122	4,368,904	10,105,718	4,660,081	8,680,270	4,328,147

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	251,339	$206,337	56,740	$49,006	50,844	$44,025	1,801,435	$1,350,362
15 - 20	732,350	578,669	356,494	294,395	333,427	284,158	4,582,584	3,347,474
21 - 25	701,499	518,781	99,888	79,436	160,101	128,822	3,797,738	2,591,072
26 - 30	307,573	212,008	23,958	18,369	64,353	48,745	3,327,020	2,123,356
31 - 40	429,858	270,314	126,009	86,714	130,759	88,236	7,327,208	3,974,134
41 - 50	203,257	113,915	64,017	39,009	51,604	31,759	2,577,283	1,184,605
51 - 67	18,338	9,610	8,059	4,582	10,675	6,002	649,540	250,043
68 AND OVER	-	-	-	-	-	-	271,112	55,542
TOTAL	2,644,214	1,909,634	735,165	571,511	801,763	631,747	24,333,920	14,876,588
PINK:								
UNDER 15	9,593	7,897	5,715	4,974	13,097	11,425	58,161	46,064
15 - 20	17,889	14,300	34,320	28,715	128,947	109,253	391,396	292,085
21 - 25	32,159	24,167	151,429	118,035	190,667	150,225	924,586	623,529
26 - 30	58,982	42,110	173,586	126,353	114,488	86,105	637,660	422,807
31 - 40	179,382	113,723	228,233	152,371	116,842	81,906	941,896	553,043
41 - 50	50,800	28,046	64,545	38,842	29,855	18,114	301,622	151,850
51 - 67	6,456	3,474	9,732	5,322	8,121	4,497	160,921	67,021
68 AND OVER	-	-	-	-	-	-	11	5
TOTAL	355,261	233,717	667,560	474,612	602,017	461,525	3,416,253	2,156,404
WHITE:								
UNDER 15	2,038	1,729	8,374	7,281	6,997	6,076	52,099	39,327
15 - 20	77,636	63,762	250,765	205,338	118,519	101,112	1,059,639	765,241
21 - 25	610,047	459,112	344,911	266,830	169,818	136,187	1,323,504	983,804
26 - 30	409,741	284,649	128,836	93,247	104,556	78,478	861,535	589,609
31 - 40	349,147	209,088	204,256	131,504	180,670	120,899	1,392,424	834,485
41 - 50	304,796	158,716	104,154	46,344	49,436	29,303	847,160	428,435
51 - 67	165,560	77,850	221,463	92,198	41,080	20,834	877,973	371,671
68 AND OVER	53,140	14,489	156,971	46,894	61,586	16,476	448,493	124,323
TOTAL	1,972,105	1,269,395	1,419,730	889,636	732,662	509,365	6,862,827	4,136,895
SEA BOBS	132,067	7,513	107,910	8,188	112,591	20,717	366,713	38,541
TOTAL, 1961	5,103,647	3,420,259	2,930,365	1,943,947	2,249,033	1,623,354	34,979,713	21,208,428
TOTAL, 1960	3,765,827	3,671,224	4,370,705	2,288,182	1,723,106	952,621	48,394,802	24,606,244

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON MULTIPLY BY 1.68 FOR BROWN, PINK, WHITE, AND SEA BOBS. THE AREAS LISTED REPRESENT THE STATES WHERE THE SHRIMP WERE LANDED REGARDLESS OF WHERE CAUGHT. THE NAMES OF THE SPECIES USED IN THESE TABLES ARE AS FOLLOWS: WHITE SHRIMP (MOSTLY PENAEUS SETIFERUS), BROWN SHRIMP (PENAEUS AZTECUS, AND IN SOME CASES PENAEUS BRASILIENSIS), PINK SHRIMP (PENAEUS DUORARUM), AND SEA BOBS (MOSTLY XIPHOPENAEUS KROYERI). THE VALUE IS BASED ON THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSEL FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSEL. THE SIZE REPORTED GENERALLY IS THAT USED AS OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT OR PRIOR TO, THE TIME FIRST SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1961

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIPS	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)								
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
SANIBEL-TORTUGAS AREA:											
0 - 5 FATHOMS:											
PINK, TOTAL	7.5	11.1	-	-	26	646	526	5,460	324	-	6,982
6 - 20 FATHOMS:											
BROWN			254	180	225	162	221	-	-	-	1,042
PINK			-	277,504	1,631,849	1,457,684	2,035,525	1,831,583	1,394,431	2,324,389	10,952,965
WHITE			-	-	42	-	600	-	-	-	642
TOTAL	8,637.0	15,864.5	254	277,684	1,632,116	1,457,846	2,036,346	1,831,583	1,394,431	2,324,389	10,954,649
21 - 70 FATHOMS:											
PINK, TOTAL	488.7	1,463.2	-	35,600	68,437	23,582	22,365	8,301	1,619	651	160,555
TOTAL, SANIBEL-TORTUGAS AREA	9,133.2	17,338.8	254	313,284	1,700,579	1,482,074	2,059,237	1,845,344	1,396,374	2,325,040	11,122,186
APALACHICOLA AREA:											
0 - 5 FATHOMS:											
BROWN			-	-	658	22,050	21,713	12,658	104,199	59,265	220,543
PINK			-	104	4,755	35,024	197,756	204,151	245,140	132,500	819,430
WHITE			49	761	4,779	36,123	54,082	36,310	61,241	290,123	483,468
SEA BOBS			-	-	-	-	-	-	-	124,104	124,104
TOTAL	8,012.7	4,094.7	49	865	10,192	93,197	273,551	253,119	410,580	605,992	1,647,545
6 - 20 FATHOMS:											
BROWN			-	-	36	4,516	772	85	2,399	-	7,808
PINK			-	6,277	137,560	135,463	92,311	25,741	19,891	9,819	427,062
WHITE			-	1,455	3,747	9,253	7,652	1,688	1,404	1,061	26,260
SEA BOBS			-	-	-	-	-	-	-	743	743
TOTAL	1,056.3	1,056.6	-	7,732	141,343	149,232	100,735	27,514	23,694	11,623	461,873
TOTAL, APALACHICOLA AREA	9,069.0	5,151.3	49	8,597	151,535	242,429	374,286	280,633	434,274	617,615	2,109,418
PENSACOLA TO MISSISSIPPI RIVER:											
0 - 5 FATHOMS:											
BROWN			21	474	11,773	58,753	404,186	481,670	867,580	764,699	2,569,156
PINK			-	804	3,455	12,896	33,077	13,243	3,636	20,066	87,177
WHITE			227	7,797	54,378	78,525	102,419	80,519	74,523	58,362	456,750
SEA BOBS			-	-	-	-	-	-	-	34,376	34,376
TOTAL	17,209.3	11,584.0	248	9,075	69,606	150,174	539,682	575,432	945,739	877,503	3,167,459
6 - 20 FATHOMS:											
BROWN			6,302	164,804	256,314	365,583	985,773	329,397	306,761	44,364	2,459,298
PINK			-	3,403	31,825	27,774	39,157	17,642	2,015	200	122,016
WHITE			678	35,040	63,645	34,091	29,739	12,251	5,023	562	181,029
SEA BOBS			-	-	-	-	-	-	-	2,007	2,007
TOTAL	2,397.2	5,597.9	6,980	203,247	351,784	427,448	1,054,669	359,290	313,799	47,133	2,764,350

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1961 - Continued

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIPS	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)								
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
PENSACOLA TO MISSISSIPPI RIVER - CONTINUED:											
21 - 45 FATHOMS:											
BROWN			13,71[illegible]	71,883	65,309	58,023	30,579	2,726	590	-	242,826
PINK			-	-	-	29	-	-	-	-	29
WHITE			-	1,584	4,247	999	1,127	-	10	-	7,967
TOTAL	474.0	1,40[illegible].7	13,71[illegible]	73,467	69,556	59,051	31,706	2,726	600	-	250,822
TOTAL, PENSACOLA TO MISSISSIPPI RIVER	20,080.5	18,58[illegible]	20,944	285,769	490,946	636,673	1,626,057	937,448	1,260,136	924,636	6,182,631
MISSISSIPPI RIVER TO TEXAS:											
0 - 5 FATHOMS:											
BROWN			-	503	1,406	9,024	89,170	332,246	740,659	3,556,666	4,729,674
PINK			-	-	-	433	2,186	-	-	-	2,619
WHITE			32	68,121	407,165	218,630	523,782	382,493	1,103,053	1,229,097	3,932,373
SEA BOBS			-	-	-	-	-	-	-	1,670,642	1,670,642
TOTAL	46,264.7	34,756.1	32	68,624	408,571	228,087	615,138	714,739	1,843,712	6,456,405	10,335,308
6 - 20 FATHOMS:											
BROWN			156,548	482,669	668,367	628,845	1,403,998	255,197	96,525	112,138	3,804,287
PINK			-	293	607	4,043	1,821	94	-	-	6,858
WHITE			37,948	612,596	586,973	338,066	501,109	227,287	140,241	25,873	2,470,093
SEA BOBS			-	-	-	-	-	-	-	28,885	28,885
TOTAL	5,515.1	12,316.4	194,496	1,095,558	1,255,947	970,954	1,906,928	482,578	236,766	166,896	6,310,123
21 - 50 FATHOMS:											
BROWN			47,415	200,317	172,879	160,531	91,872	12,833	9,744	400	695,991
PINK			-	-	404	-	-	-	-	-	404
WHITE			218	6,731	7,436	582	4,280	786	230	-	20,263
TOTAL	1,410.3	[illegible]	47,633	207,048	180,719	161,113	96,152	13,619	9,974	400	716,658
TOTAL, MISSISSIPPI RIVER TO TEXAS	53,190.1	50,779.4	242,161	1,371,230	1,845,237	1,360,154	2,618,218	1,210,936	2,090,452	6,623,701	17,362,089
[illegible]											
0 - 5 FATHOMS:											
BROWN			8	1,563	19,989	2,417	2,710	3,274	61,197	254,991	346,149
WHITE			700	99,475	129,679	182,056	594,549	616,720	668,644	400,146	2,691,969
[illegible]			-	-	-	-	-	-	-	94,115	94,115
TOTAL	17,173.6	7,058.3	708	101,038	149,668	184,473	597,259	619,994	729,841	749,252	3,132,233
[illegible]											
[illegible]			337,925	1,612,738	1,211,601	1,736,422	5,344,709	1,883,386	470,823	75,173	12,672,777
[illegible]			35	7,735	9,283	15,121	8,389	864	355	-	41,782
[illegible]			45,929	916,001	1,098,820	627,305	700,521	214,151	169,341	8,612	3,780,680
[illegible]			-	-	-	-	-	-	-	284	284
TOTAL	15,426.1	28,089.5	383,889	2,536,474	2,319,704	2,378,848	6,053,619	2,098,401	640,519	84,069	16,495,523
[illegible] FATHOMS:											
BROWN			99,326	1,029,686	791,269	535,403	141,496	52,535	19,399	-	2,669,114
WHITE			125	1,692	9,923	5,061	3,786	839	-	-	21,426
TOTAL	3,243.2	7,835.9	99,451	1,031,378	801,192	540,464	145,282	53,374	19,399	-	2,690,540
[illegible] TEXAS COAST	35,842.9	42,983.7	484,048	3,668,890	3,270,564	3,103,785	6,796,160	2,771,769	1,389,759	833,321	22,318,296

[illegible]

(CONTINUED ON NEXT PAGE)

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1961 - Continued

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIP	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)								
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
HIGH SEAS OFF MEXICAN COAST - 94^0 LONGITUDE WEST - CONTINUED:											
0 - 5 FATHOMS:											
BROWN			55	85	190	50	135	75	-	-	590
WHITE			35	535	1,440	1,190	2,333	1,224	1,147	-	7,904
TOTAL	6.4	12.7	90	620	1,630	1,240	2,468	1,299	1,147	-	8,494
6 - 20 FATHOMS:											
BROWN			635,402	624,958	701,411	505,864	631,342	126,975	49,923	98	3,275,973
WHITE			2,680	16,593	14,646	11,466	32,122	12,260	21,911	10	111,688
TOTAL	1,584.5	1,959.7	638,082	641,551	716,057	517,330	663,464	139,235	71,834	108	3,387,661
21 - 45 FATHOMS:											
BROWN			643,742	1,170,484	918,380	438,665	1,004,714	406,786	47,967	90	4,630,828
WHITE			395	1,260	500	220	25	5	-	-	2,405
TOTAL	3,072.1	9,575.3	644,137	1,171,744	918,880	438,885	1,004,739	406,791	47,967	90	4,633,233
TOTAL HIGH SEAS OFF MEXICAN COAST - 94^0 LONGITUDE WEST	4,663.0	11,547.7	1,282,309	1,813,915	1,636,567	957,455	1,670,671	547,325	120,948	198	8,029,388
HIGH SEAS OFF OBREGON-CAMPECHE:											
0 - 5 FATHOMS:											
PINK			-	2,447	17,043	13,037	10,326	-	-	-	42,853
WHITE			-	90	1,508	-	-	-	-	-	1,598
TOTAL	5.7	89.0	-	2,537	18,551	13,037	10,326	-	-	-	44,451
6 - 20 FATHOMS:											
BROWN			42,583	70,640	69,960	50,687	94,343	50,489	33,390	-	412,092
PINK			32,590	558,410	2,877,184	2,169,959	2,680,055	330,867	141,121	-	8,790,186
WHITE			1,882	63,142	82,322	37,469	13,508	693	1,410	-	200,426
TOTAL	1,136.3	14,639.6	77,055	692,192	3,029,466	2,258,115	2,787,906	382,049	175,921	-	9,402,704
21 - 35 FATHOMS:											
BROWN			51,097	97,017	72,716	33,188	98,532	32,445	9,070	-	394,065
PINK			21,362	146,945	442,501	682,878	1,015,102	127,671	18,607	-	2,455,066
WHITE			1,540	27,083	4,720	4,724	435	15	-	-	38,517
TOTAL	411.7	4,583.5	73,999	271,045	519,937	720,790	1,114,069	160,131	27,677	-	2,887,648
TOTAL, HIGH SEAS OFF OBREGON-CAMPECHE	1,553.7	19,312.1	151,054	965,774	3,567,954	2,991,942	3,912,301	542,180	203,598	-	12,334,803
CARIBBEAN SEA - SOUTH OF LATITUDE 21^0 NORTH:											
0 - 5 FATHOMS:											
BROWN			-	-	100	-	-	-	-	-	100
WHITE			-	-	400	-	-	-	-	-	400
TOTAL, CARIBBEAN SEA - SOUTH OF LATITUDE 21^0 NORTH	1.0	1.0	-	-	500	-	-	-	-	-	500
ATLANTIC OCEAN:											
6 - 15 FATHOMS, WHITE	14.0	9.8	-	-	2,517	511	2,055	-	-	-	5,083
TOTAL, ATLANTIC COAST	14.0	9.8	-	-	2,517	511	2,055	-	-	-	5,083
GRAND TOTAL	133,547.4	165,712.4	2,180,819	8,427,479	12,666,399	10,775,023	19,058,985	8,135,635	6,895,543	11,324,511	79,464,394

NOTE:--THESE DATA REPRESENT THE CATCHES OF VESSELS COMPLETING TRIPS DURING THE YEAR, REGARDLESS OF WHEN LANDINGS OCCURRED. CONSEQUENTLY, THE DATA ARE NOT DIRECTLY COMPARABLE WITH THOSE PRESENTED IN THE TABLES WHICH REPRESENT LANDINGS. A SINGLE TRIP IS SHOWN FOR EACH VOYAGE. ACTUAL FISHING TIME IN HOURS MAY BE DETERMINED BY MULTIPLYING THE NUMBER OF DAYS BY 24. ADDITIONAL TABULATIONS CONCERNING THE GULF OF MEXICO CATCH OF SHRIMP IN MORE DETAIL BY AREA, DEPTH, SIZE, AND FISHING EFFORT MAY BE OBTAINED UPON REQUEST FROM THE BUREAU OF COMMERCIAL FISHERIES, U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C.

SECTION 7 - PACIFIC COAST FISHERIES

The yield of the commercial fisheries of the Pacific Coast States (Alaska, Washington, Oregon, and California) in 1961 amounted to 1.2 billion pounds valued at $128 million. Landings were 122 million pounds and $16 million larger than in 1960. Landings of bonito, jack mackerel, Pacific mackerel, salmon, tuna, king crab, shrimp, and squid were up substantially; while anchovies and halibut were up slightly. Catches of herring, rockfishes, sablefish, Pacific sardines, and Dungeness crabs were considerably smaller than in 1960.

The Pacific Coast accounted for 23 percent of the volume and 35 percent of the value of the total United States landings. It was second only to the Gulf Coastal States in quantity and led all other areas in value. California was first in volume on the Pacific Coast with a catch of 598 million pounds (51 percent) valued at $56 million (44 percent). Alaska (413 million pounds valued at $46 million) was second with 35 percent of the volume and 36 percent of the value, followed by Washington, with landings of 120 million pounds valued at $19 million. Oregon accounted for the remaining 51 million pounds and $7 million.

There were 33,281 fishermen engaged in Pacific Coast fisheries in 1961. Fishing craft consisted of 4,740 vessels of 5 net tons and over, 11,977 motor boats, and 443 other boats. The fishing craft ranged from small one-man boats to a large tuna purse seiner of 701 gross tons.

Fish taken on the high seas off coasts of foreign countries by Pacific Coast fishermen amounted to 306.5 million pounds or 26 percent of the total catch. Tuna taken off Central and South America accounted for 23 percent of the total production. Other important species taken off foreign coasts were bottomfish, halibut, and salmon caught off British Columbia. In 1961, Pacific Coast fishermen ranged further than those of any other area in their search for fish, operating from the Bering Sea to waters off Peru.

There were 558 wholesale and manufacturing fishery firms operated in the Pacific Coast States during 1961--43 more than in the previous year. The firms gave employment to 24,855 persons--a slight increase over 1960.

The value of processed fishery products on the Pacific Coast amounted to $357 million in 1961--14 percent or $44 million more than in 1960. California led all other Pacific Coast States with 51 percent of the total followed by Alaska, with 32 percent. Notable gains were registered in the production of fish fillets and steaks, canned fish and shellfish, and salted fish. Alaska showed the greatest percentage gain with the value of its processed products 32 percent greater than in the previous year, due primarily to increased packs of canned salmon, shrimp, and crabs. Washington was next with a 31 percent increase, principally the result of a larger pack of locally caught salmon and a substantial gain in the quantity of Alaska-caught fish canned in the State.

The total pack of canned fishery products in the four States amounted to over 20 million cases valued at $300 million--about 320,000 cases and $38 million above the 1960 production. Packs of salmon, mackerel, king and Dungeness crab meat, and shrimp were higher than in 1960. Canned sardines, clams, and tuna were produced in lesser quantities.

Despite an increase in the average price of meal from $92 per ton in 1960 to $106 in 1961, the total value declined 15 percent in 1961. This was caused principally by the reduced production of herring in Alaska, where, despite an extension of the season, production dropped considerably below the previous year's total.

The Pacific Coast tuna fishery improved somewhat over the previous year, due primarily to the greater number of purse seiners which entered the fishery in 1961. Landings increased to 311 million pounds from 288 million pounds in 1960. Catches of yellowfin, skipjack, and bluefin were higher, while the volume of albacore was less. About 88 percent of the catch of tuna was taken on the high seas in waters off Central and South America.

PACIFIC COAST FISHERIES

The Pacific tuna industry, stimulated by the success of converted seiners and the rapidly increasing consumption of canned tuna, continued to display spectacular economic progress in 1961. The California tuna fleet, changed by conversion from a predominantly clipper fleet fishing with hook and line, to a purse seine fleet fishing with huge nets, continued to take large quantities of yellowfin tuna. Research scientists took the position early in 1961 that this species was being overexploited--resulting in the purse seine fleet diverting some effort to fishing for skipjack. In 1961, the Inter-American Tropical Tuna Commission recommended that a catch limit be placed on yellowfin in order to maintain stocks at a level that would permit the maximum sustainable yield. The prices paid to fishermen increased four times during the year, and the prospects were for another raise as the year ended.

Albacore fishing off the coasts of Oregon and Washington fell off sharply in 1961, dropping from 5 million pounds in 1960 to less than 4 million pounds in 1961. The prices paid fishermen were considerably higher than in the previous year.

In California, the situation was the same. The albacore catch (29 million pounds) was 17 percent lower than that of 1960.

The albacore season began early, with catches running higher than the previous year. However, the fish, which usually move north as the season progresses, began their migration earlier than usual, and they apparently moved out to sea beyond the reach of many of the albacore boats.

Tuna canners also did well in 1961. There were few labor disputes or fleet tie-ups. The United States consumption of canned tuna, stimulated by intensive advertising and promotion, continued to grow, with apparent consumption reaching 2.1 pounds per capita. The 1961 United States pack of tuna reached a record 15.8 million standard cases valued at $189.2 million. The tuna pack in the Pacific Coast States totaled 11.8 million standard cases valued at $141.1 million, accounted for 75 percent of the volume and 75 percent of the value of the total domestic pack of these fish.

The 1961 Pacific salmon catch totaled 310 million pounds valued at $52 million, which made this the most valuable species taken by U.S. fishermen in 1961. Shrimp had been the most valuable item since 1951. The catch of salmon was favorable in nearly all sections of the Pacific Coast from Alaska to California. Alaska landings (265 million pounds) were the largest since 1956 and their value ($36 million) was a record. In Washington, the catch was up 81 percent over the previous year. Oregon and California landings were also considerably above the 1960 level. The pack of canned salmon increased from 2.8 million cases in 1960 to 3.7 million cases in 1961. In Alaska, the pack was up 641,000 cases, while in Washington, Oregon, and California, it increased 221,600 cases.

The catch of red salmon in Western Alaska was the best since 1948, with the total run coming very close to the 22-million-fish estimate set by scientists of the Alaska Department of Fish and Game, the Fisheries Research Institute, and the Bureau of Commercial Fisheries. The size of the 1961 red salmon averaged 5.9 pounds in Western Alaska compared with 4.8 pounds in 1960.

Approximately 11.9 million red salmon were taken in Bristol Bay in 1961, with the Naknek-Kvichak fishery producing nearly 8.5 million and the Egegik, about 2.4 million fish. The balance came from the Ugashik, Nushagak, and Togiak fisheries. The industry was fully prepared to accommodate the expected large catches, and they were handled smoothly despite the large volume. The cold weather during the main run contributed to protecting the excellent quality of the big reds.

In Central Alaska, salmon fishing along the Alaska Peninsula and Kodiak Island was about the same as in the previous year. However, the completely unexpected run of pink salmon to Prince William Sound took the industry by surprise.

In Southeastern Alaska, the runs of pinks and chums in Icy Strait and adjacent waters were also somewhat of a surprise, both in the number of fish and the duration of the runs. Vessels converged on the scene as soon as the magnitude of the run became known. Scows spread the catch to distant canneries, making the operation more profitable.

The 1961 whaling season was the most successful since whaling was revived on the Pacific Coast in 1956. During the 1961 season, which extended from April 16 through October 15, a total of 343 whales was taken--72 more than in the previous year. Gains were registered in the number of blue, bottlenose, sei, and sperm whales, while fins and humpbacks were taken in fewer numbers than the previous year.

Fin whales, economically the most important species, were taken in larger numbers early in the season, while feed was abundant on the grounds, but disappeared early in August, thus reducing the season's take to 20 less than the previous year. Perhaps the most unusual feature was the appearance of large numbers of female sperm whales in the 1961 catch. The females of this species usually remain in warmer waters and are not often encountered in great numbers on the grounds fished by the Pacific fleet. However, several times during the year, the boats encountered harems containing a large number of females. Although most female sperm whales fall below the 35-foot legal size limit, sufficient numbers of larger females were found to boost the total take for this species to 88 more than were taken the previous year. The catch of these whales resulted in a large increase in the production of sperm oil.

The halibut fishery experienced a successful year despite a small decline in the total catch by Canadian and United States vessels, a situation that could have resulted from changes in the seasons rather than scarcity of fish or market conditions. United States fishermen took 53 million pounds (round weight basis) in 1961, compared with 51 million the previous year, and reversed a trend of the past few years in which Canadian fishermen had been increasing their percentage take each year.

At the Tokyo Conference of the International North Pacific Fisheries Commission, both the United States and Canada urged Japan not to fish otter trawls south and east of the Aleutian Islands and the Alaska Peninsula until the studies being made by the International Pacific Halibut Commission could be completed. The object of this research is to determine the effects of trawling on the stocks of halibut in these waters.

With the opening of the 1961 season, the Halibut Commission divided Area 3B into two sections--3B North and 3B South--each with a different opening date. Area 3B North was designated as that section north of the Aleutian Chain of the Alaska Peninsula, with an opening date of April 10. Area 3B South was designated as that portion of 3B south of the Aleution Chain of the Alaska Peninsula, with an opening date of April 25. Both areas closed on October 1--some two weeks earlier than in 1960.

These changes by the Halibut Commission were designed to shift fishing pressure from stocks that had been consistently fished for many years under the split season arrangement and to encourage fishing in the area north of the Alaska Peninsula. To compensate for this adjustment, the quotas were raised in some areas. There were no changes in rules for layup between halibut fishing trips in 1961, which provide for an 8-day layup between trips beginning at noon following arrival at port.

One of the more important developments in the 1961 fishery was the increase in landings in Prince Rupert, British Columbia, and at Ketchikan, Alaska, and a decline in landings at Seattle. The three top-ranking halibut ports in 1961 were Prince Rupert, British Columbia; Seattle, Washington; and Ketchikan, Alaska; in that order.

PACIFIC COAST FISHERIES

Although a price dispute threatened to delay the opening of the season, fishing began on time and continued throughout the season without interruption from labor or price difficulties.

Ex-vessel prices remained good throughout the season. This no doubt resulted from the landings being split among more ports, thus creating more competition. Even though landings were less, increased prices resulted in a gain of $2.2 million for United States fishermen compared with the previous year.

The 1961 Pacific and jack mackerel catch of 141.7 million pounds was 27 percent greater than in the previous year, and the best since 1957. During most of the year, jack mackerel were so abundant in southern California waters that canners set nightly limits of from 20 to 40 tons per vessel for virtually the entire season. Landings would doubtlessly have been much higher had it not been for these limits.

Shrimp production took a phenomenal jump in 1961, with a 68-percent increase over 1960. Alaska and Oregon registered large increases--more than doubling the 1960 total. Prices, however, did not keep pace, except in Alaska, and the total value of this fishery was only 41 percent above the previous year's total. Despite a slight decline in the California catch, a new record per hour of fishing was established in that fishery.

Chiefly responsible for the increase in the Pacific shrimp catch was the failure of the Gulf of Mexico shrimp fishery, resulting in the inability of the industry to adequately supply the demand, even with the increased imports. Canned shrimp production established a record for the Pacific area with a pack of nearly 139,000 standard cases--over 59,500 standard cases more than in 1960. Another important development contributed to the improvement of the Pacific Coast shrimp industry; namely, the development of shrimp logs for use by the breading industry. As a result of reduced supplies from usual sources, a breading firm developed the logs, and by the end of the year had marketed considerable quantities.

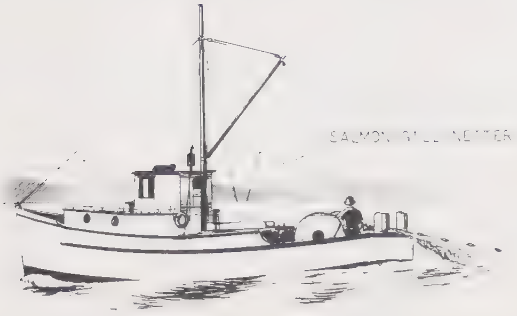
King crab production established a record in 1961, both in total landings and in the canned pack. The catch was not made without sacrifices, as 9 craft and 13 fishermen were lost. What may have been a record trip of king crabs was landed by the vessel Nautilus at Port Wakefield, Alaska, when the vessel landed 10,000 crabs in December. Landings of Dungeness crabs declined over the entire range, and prices increased considerably in most areas. Canners found themselves outbid for live crabs as the fresh market absorbed most of the catch.

Oyster production dropped nearly 1 million pounds (8 percent) below the 1960 total. The principal cause of the decline was believed to be the curtailed demand by the canning industry, caused by imports of lower priced canned Japanese oysters. In an effort to stay in the highly competitive market, canners produced oyster stew in greater quantity than in any year except 1960.

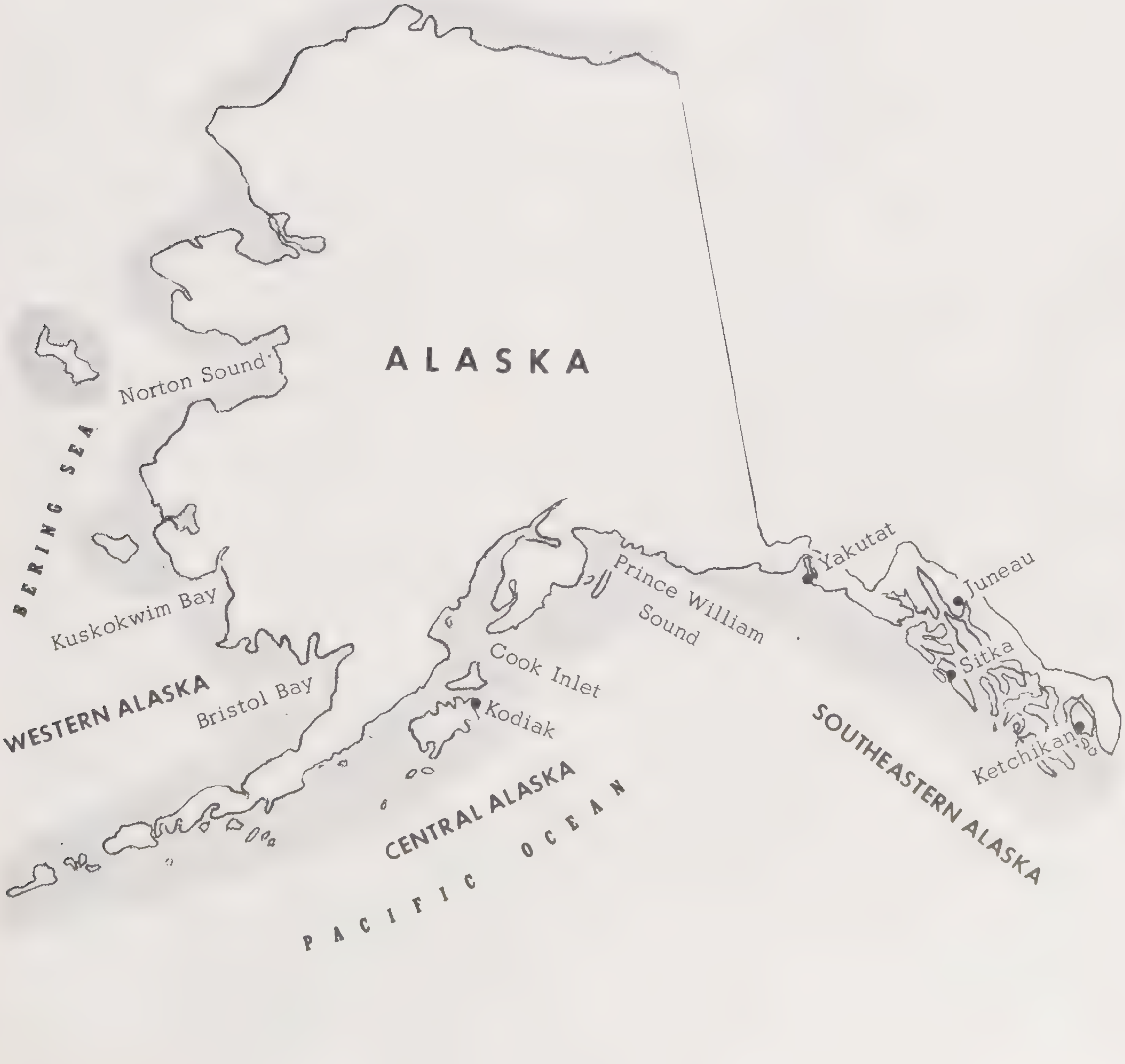
The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The Washington Department of Fisheries, the Oregon Fish Commission, the California Department of Fish and Game, and the Alaska Department of Fish and Game.

Condensed summary data on the operating units and catch by States for the Pacific Coast fisheries appearing on the following pages have been previously published in Current Fishery Statistics No. 3122. Additional data on many aspects of the Pacific Coast fisheries appear in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service offices in San Pedro, California and Seattle, Washington. Specific data on several of the major fisheries of the Pacific Coast may be found in Section 12 of this publication.

PACIFIC COAST FISHERIES

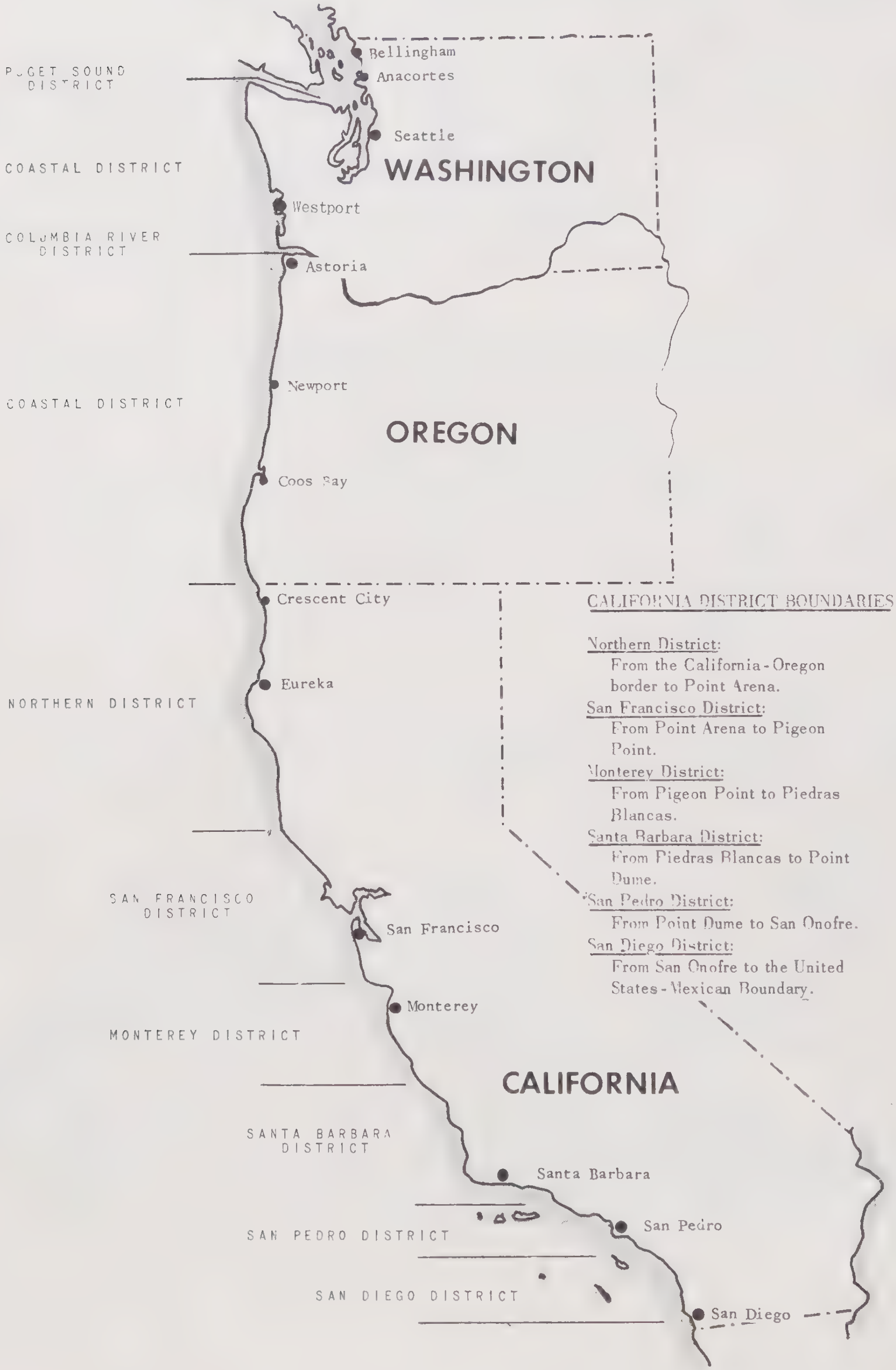

SALMON GILL NETTER

PACIFIC COAST STATES


ALASKA
Norton Sound
BERING SEA
Kuskokwim Bay
WESTERN ALASKA
Bristol Bay
Cook Inlet
Kodiak
CENTRAL ALASKA
PACIFIC OCEAN
Prince William Sound
Yakutat
Juneau
Sitka
Ketchikan
SOUTHEASTERN ALASKA

PACIFIC COAST FISHERIES

PACIFIC COAST STATES - Continued


PUGET SOUND DISTRICT
COASTAL DISTRICT
COLUMBIA RIVER DISTRICT
COASTAL DISTRICT
NORTHERN DISTRICT
SAN FRANCISCO DISTRICT
MONTEREY DISTRICT
SANTA BARBARA DISTRICT
SAN PEDRO DISTRICT
SAN DIEGO DISTRICT
Bellingham
Anacortes
Seattle
WASHINGTON
Westport
Astoria
Newport
OREGON
Coos Bay
Crescent City
Eureka
San Francisco
Monterey
CALIFORNIA
Santa Barbara
San Pedro
San Diego

CALIFORNIA DISTRICT BOUNDARIES

Northern District:
From the California-Oregon border to Point Arena.

San Francisco District:
From Point Arena to Pigeon Point.

Monterey District:
From Pigeon Point to Piedras Blancas.

Santa Barbara District:
From Piedras Blancas to Point Dume.

San Pedro District:
From Point Dume to San Onofre.

San Diego District:
From San Onofre to the United States-Mexican Boundary.

PACIFIC COAST FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALASKA	349	41	65	5	-	-	414	46
WASHINGTON	102	16	18	3	-	-	120	19
OREGON	40	5	11	2	(1)	(1)	51	7
CALIFORNIA	560	51	26	4	12	1	598	56
TOTAL	1,051	113	120	14	12	1	1,183	128

1/ LESS THAN 500,000 POUNDS OR $500,000.

SUMMARY OF OPERATING UNITS, 1961

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6,746	4,481	1,162	5,596	15,616
ON BOATS AND SHORE	8,873	5,019	1,435	2,439	17,665
TOTAL	15,619	9,500	2,597	8,035	33,281
VESSELS, MOTOR	2,100	1,380	558	1,506	4,740
GROSS TONNAGE	41,931	33,269	12,493	73,873	138,610
BOATS:					
MOTOR	6,778	2,539	1,077	1,660	11,977
OTHER	-	438	5	-	443
GEAR:					
HAUL SEINES	-	152	3	13	168
LENGTH, YARDS	-	11,750	300	1,450	13,500
PURSE SEINES AND LAMPARA NETS:					
HERRING	20	4	-	-	24
LENGTH, YARDS	9,680	1,735	-	-	11,415
MACKEREL	-	-	-	100	100
LENGTH, YARDS	-	-	-	48,780	48,780
SALMON	1,246	324	-	-	1,446
LENGTH, YARDS	496,986	171,720	-	-	608,046
SARDINE	-	-	-	87	87
LENGTH, YARDS	-	-	-	43,550	43,550
SQUID	-	-	-	18	18
LENGTH, YARDS	-	-	-	6,080	6,080
TUNA	-	-	-	126	126
LENGTH, YARDS	-	-	-	90,250	90,250
OTHER	-	-	-	41	41
LENGTH, YARDS	-	-	-	12,410	12,410
BEAM TRAWLS, SHRIMP	18	1	-	12	31
YARDS AT MOUTH	202	8	-	84	294
OTTER TRAWLS:					
CRAB, KING	1	-	-	-	1
YARDS AT MOUTH	20	-	-	-	20
FISH	2	122	53	72	236
YARDS AT MOUTH	30	2,678	1,185	1,923	5,528
SHRIMP	16	8	11	-	34
YARDS AT MOUTH	255	152	203	-	595
BRUSH WEIRS	-	1	-	-	1
POUND NETS	-	6	-	-	6
FLOATING TRAPS	11	-	-	-	11
POTS AND TRAPS:					
CRAB:					
DUNGENESS	7,965	24,415	32,775	30,555	90,550
KING	10,076	-	-	-	10,076
CRAWFISH	-	75	560	-	635
FISH	-	-	-	150	150
LOBSTER, SPINY	-	-	-	10,845	10,845
OCTOPUS	-	100	-	-	100
SHRIMP	30	140	-	-	170

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1961 - Continued

ITEM	ALASKA	WASH-INGTON	OREGON	CALI-FORNIA	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
GILL NETS:					
ANCHOR, SET OR STAKE:					
SALMON	2,047	437	118	-	2,602
SQUARE YARDS	1,526,386	104,150	47,200	-	1,677,736
SHARK	-	7	-	-	7
SQUARE YARDS	-	7,000	-	-	7,000
DRIFT:					
BARRACUDA	-	-	-	42	42
SQUARE YARDS	-	-	-	115,600	115,600
SALMON	3,043	1,270	672	-	4,893
SQUARE YARDS	3,921,576	6,080,300	1,982,500	-	11,776,005
SEA BASS	-	-	-	60	60
SQUARE YARDS	-	-	-	177,000	177,000
OTHER	-	2	75	5	82
SQUARE YARDS	-	1,800	67,500	17,100	86,400
TRAMMEL NETS	-	-	-	3	3
SQUARE YARDS	-	-	-	16,500	16,500
LINES:					
HAND:					
ROCKFISHES	-	96	-	209	305
HOOKS	-	192	-	418	610
TUNA:					
ALBACORE	-	-	-	733	733
HOOKS	-	-	-	733	733
YELLOWFIN AND SKIPJACK	-	-	-	439	439
HOOKS				439	439
TROLL:					
SALMON	6,036	5,936	3,366	9,474	22,862
HOOKS	37,281	23,698	14,334	37,896	104,757
TUNA, ALBACORE	-	906	1,883	7,614	9,437
HOOKS	-	906	1,883	7,614	9,437
OTHER	-	-	-	144	144
HOOKS	-	-	-	144	144
LONG OR SET WITH HOOKS	9,179	4,551	185	782	11,235
HOOKS	746,528	371,359	15,848	70,360	938,801
DIP, BRAIL, OR SCOOP NETS	10	237	24	176	447
REEF NETS	-	100	-	-	100
WHEELS	8	-	-	-	8
HARPOONS:					
WHALE	-	-	1	5	6
OTHER	-	-	-	62	62
DREDGES:					
CLAM	-	3	-	-	3
YARDS AT MOUTH	-	3	-	-	3
OYSTER:					
COMMON	-	70	6	3	79
YARDS AT MOUTH	-	140	12	3	155
SUCTION	-	1	-	1	2
TONGS, OYSTER	-	-	-	25	25
SHOVELS	394	1,323	194	12	1,923
DIVING OUTFITS, ABALONE	-	-	-	129	129

SHARK GILL NETTER

PACIFIC COAST FISHERIES

CATCH BY STATES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CARP	-	-	798	10	-	-
COD	-	-	2,963	145	104	5
DOLLY VARDEN TROUT	12	1	-	-	-	-
FLOUNDERS:						
"SOLE"	-	-	15,294	960	12,861	694
UNCLASSIFIED	-	-	1,188	57	602	22
HAKE	-	-	158	1	58	1
HALIBUT	33,423	4,888	19,370	3,447	441	72
HERRING, SEA	49,465	559	3,607	135	18	5
LINGCOD	-	-	5,821	291	738	33
OCEAN PERCH	-	-	7,871	393	4,572	201
PERCH	-	-	177	22	4	(2)
RATFISH	-	-	1,130	8	-	-
ROCKFISHES	22	1	7,157	289	6,872	260
SABLEFISH	1,337	160	3,181	397	568	50
SALMON:						
CHINOOK OR KING	8,541	2,243	6,010	2,443	4,310	1,767
CHUM OR KETA	46,121	3,846	1,989	404	29	4
PINK	103,537	10,115	4,915	836	(2)	(2)
RED OR SOCKEYE	95,229	17,539	8,309	2,742	106	43
SILVER OR COHO	11,386	1,998	8,675	2,584	2,603	765
TOTAL SALMON	264,814	35,741	29,898	9,009	7,048	2,579
SEA BASS, WHITE	-	-	-	-	1	(2)
SHAD	-	-	167	15	760	102
SHARKS:						
GRAYFISH	-	-	791	4	50	(2)
SOUPFIN	-	-	1	(2)	(2)	(2)
TOTAL SHARKS	-	-	792	4	50	(2)
SKATES	-	-	500	2	332	8
SMELT:						
EULACHON	-	-	872	118	181	27
SURF OR SILVER	-	-	258	23	2	(2)
STEELHEAD TROUT	14	3	368	99	543	138
STRIPED BASS	-	-	-	-	33	4
STURGEON	-	-	330	43	208	30
SUCKERS	-	-	27	(2)	-	-
TOMCOD	-	-	58	1	-	-
TUNA, ALBACORE	-	-	456	85	3,251	591
TOTAL FISH	349,087	41,353	102,441	15,554	39,247	4,822
SHELLFISH						
CRABS:						
DUNGENESS	4,591	442	7,109	1,075	9,288	1,479
KING	43,412	3,914	-	-	-	-
TANNER	7	1	-	-	-	-
TOTAL CRABS	48,010	4,357	7,109	1,075	9,288	1,479
CRAWFISH, FRESH-WATER	-	-	2	1	21	6
SHRIMP	15,980	639	1,463	131	1,464	119
CLAMS:						
COCKLE	2	1	-	-	-	-
HARD	-	-	401	167	-	-
RAZOR	389	120	281	133	16	8
MIXED	-	-	-	-	10	5
TOTAL CLAMS	391	121	682	300	26	13
OCTOPUS	-	-	25	3	(2)	(2)
OYSTERS, MARKET:						
PACIFIC	-	-	8,620	1,557	329	72
WESTERN	-	-	38	95	-	-
TOTAL OYSTERS	-	-	8,658	1,652	329	72

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON	
SHELLFISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SCALLOPS, BAY	-	-	(2)	(2)	-	-
SQUID	-	-	1	(2)	-	-
TOTAL SHELLFISH	64,381	5,117	17,940	3,162	11,128	1,689
WHALE PRODUCTS:						
MEAL	-	-	-	-	34	2
MEAT	-	-	-	-	66	4
OIL:						
SPERM	-	-	-	-	30	3
WHALE	-	-	-	-	9	(2)
SOLUBLES	-	-	-	-	28	1
TOTAL WHALE PRODUCTS	-	-	-	-	167	10
GRAND TOTAL	413,468	46,470	120,381	18,716	50,542	6,521

SPECIES	CALIFORNIA 1/		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE
ANCHOVIES	7,712	110	7,712	110
BARRACUDA	709	107	709	107
BONITO	8,513	218	8,513	218
CABEZONE	5	(2)	5	(2)
CABRILLA	11	2	11	2
CARP	339	15	1,137	25
COD	-	-	3,067	150
DOLLY VARDEN TROUT	-	-	12	1
FLOUNDERS:				
ARROWTOOTH HALIBUT	61	3	61	3
CALIFORNIA HALIBUT	3/655	3/151	655	151
SAND DABS	563	38	563	38
"SOLE"	16,184	1,198	44,339	2,852
UNCLASSIFIED	3/315	3/17	2,105	96
FLYING FISH	33	4	33	4
GROUPERS	202	43	202	43
HAKE	3	(2)	219	2
HALFMOON	6	1	6	1
HALIBUT	4	1	53,238	8,408
HARDHEAD	99	20	99	20
HERRING, SEA	1,401	31	54,491	730
KING CROAKER	889	39	889	39
LINGCOD	1,440	104	7,999	428
MACKEREL:				
JACK	97,606	2,025	97,606	2,025
PACIFIC	44,110	956	44,110	956
OCEAN PERCH	-	-	12,443	594
OPALEYE	2	(2)	2	(2)
PERCH	118	19	299	41
POMPANO	11	3	11	3
RATFISH	-	-	1,130	8
ROCK BASS	3	1	3	1
ROCKFISHES	10,831	587	24,882	1,137
SABLEFISH	1,618	86	6,704	693
SALMON:				
CHINOOK OR KING	8,101	4,510	26,962	10,963
CHUM OR KETA	-	-	48,139	4,254
PINK	-	-	108,452	10,951
RED OR SOCKEYE	-	-	103,644	20,324
SILVER OR COHO	537	188	23,201	5,535
TOTAL SALMON	8,638	4,698	310,398	52,027
SARDINE, PACIFIC	43,169	1,146	43,169	1,146
SCULPIN	27	7	27	7
SEA BASS:				
BLACK	340	56	340	56
WHITE	694	217	695	217
SHAD	-	-	927	117
SHARKS:				
GRAYFISH	-	-	841	4
SOUPFIN	-	-	1	(2)
UNCLASSIFIED	624	60	624	60
TOTAL SHARKS	624	60	1,466	64

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	CALIFORNIA 1/		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
SHEEPSHEAD	13	1	13	1
SIERRA	1	(2)	1	(2)
SKATES	398	4	1,230	14
SMELT:				
EULACHON	-	-	1,053	145
SURF OR SILVER	491	25	751	48
SPLITTAIL	1	(2)	1	(2)
STEELHEAD TROUT	-	-	925	240
STRIPED BASS	-	-	33	4
STURGEON	-	-	538	73
SUCKERS	-	-	27	(2)
SWORDFISH	369	162	369	162
TOMCOD	-	-	58	1
TUNA:				
ALBACORE	29,123	5,187	32,830	5,863
BLUEFIN	20,883	2,705	20,883	2,705
SKIPJACK	65,403	7,219	65,403	7,219
YELLOWFIN	191,854	24,439	191,854	24,439
TOTAL TUNA	307,263	39,550	310,970	40,226
TURBOT	71	4	71	4
WAHOO	9	3	9	3
WHITEBAIT	336	25	336	25
YELLOWTAIL	381	28	381	28
UNCLASSIFIED:				
FOR FOOD	28	2	28	2
BAIT AND ANIMAL FOOD	3,777	75	3,777	75
TOTAL FISH	560,073	51,842	1,050,848	113,571
SHELLFISH				
CRABS:				
DUNGENESS	11,711	1,981	32,699	4,977
KING	-	-	43,412	3,914
ROCK	152	12	152	12
TANNER	-	-	7	1
TOTAL CRABS	11,863	1,993	76,270	8,904
CRAWFISH, FRESH-WATER	-	-	23	7
LOBSTER, SPINY	419	284	419	284
SHRIMP	2,005	190	20,912	1,079
ABALONE	910	607	910	607
CLAMS:				
COCKLE	-	-	2	1
HARD	2	3	403	170
RAZOR	-	-	686	261
MIXED	-	-	10	5
TOTAL CLAMS	2	3	1,101	437
OCTOPUS	3	(2)	28	3
OYSTERS, MARKET:				
EASTERN	15	5	15	5
PACIFIC	1,205	291	10,154	1,920
WESTERN	-	-	38	95
TOTAL OYSTERS	1,220	296	10,207	2,020
SCALLOPS, BAY	-	-	(2)	(2)
SQUID	10,286	231	10,287	231
TOTAL SHELLFISH	26,708	3,604	120,157	13,572
WHALE PRODUCTS:				
MEAL	3,282	201	3,316	203
MEAT	4,944	397	5,010	401
OIL:				
SPERM	666	60	696	63
WHALE	2,765	179	2,774	179
SOLUBLES	-	-	28	1
TOTAL WHALE PRODUCTS	11,657	837	11,824	[illegible]
GRAND TOTAL	598,438	56,283	1,182,829	127,990

1/ INCLUDES THE CATCH TAKEN OFF LATIN AMERICA.

2/ LESS THAN 500 POUNDS OR $500.

3/ SOME HALIBUT MAY BE INCLUDED WITH "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS."

NOTE:--DATA ON THE VOLUME OF FISH LANDED IN CALIFORNIA ARE SHOWN IN WEIGHTS AS LANDED, WHILE THOSE FOR WASHINGTON AND OREGON ARE IN ROUND WEIGHT. ALASKA DATA INCLUDE THE CATCH OF HALIBUT, SABLEFISH, AND ROCKFISHES LANDED BY U.S. VESSELS AT BRITISH COLUMBIA PORTS.

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
COD:					
FILLETS:					
FRESH	POUNDS	-	-	658,018	$139,147
FROZEN	DO	-	-	194,713	46,719
SALTED (WHOLE AND BONED)	DO	-	-	5,752	2,905
DOLLY VARDEN TROUT, SMOKED	DO	50	$20	-	-
FLOUNDER FILLETS:					
FRESH	DO	-	-	2,153,232	748,394
FROZEN	DO	-	-	1,569,022	526,600
HALIBUT:					
FILLETS, STEAKS, AND PORTIONS, FRESH AND FROZEN	DO	-	-	7,447,821	3,814,484
CHEEKS, FROZEN	DO	19,749	6,525	-	-
SMOKED AND KIPPERED, CANNED	STANDARD CASES	1	50	-	-
HERRING, SEA:					
MEAL	TONS	3,810	444,530	(1)	(1)
OIL	GALLONS	727,520	379,710	(1)	(1)
LINGCOD FILLETS:					
FRESH	POUNDS	-	-	1,071,817	225,815
FROZEN	DO	-	-	650,716	155,181
OCEAN PERCH FILLETS:					
FRESH	DO	-	-	1,305,909	285,287
FROZEN	DO	-	-	792,874	186,191
ROCKFISHES, FILLETS:					
FRESH	DO	-	-	1,780,829	362,516
FROZEN	DO	-	-	299,851	67,288
SABLEFISH, CURED:					
SALTED	DO	-	-	151,866	31,617
SMOKED (INCLUDING KIPPERED)	DO	50	40	187,195	81,944
SALMON:					
FRESH AND FROZEN, FILLETS AND STEAKS	DO	-	-	982,770	684,309
CANNED:					
CHINOOK OR KING	STANDARD CASES	53,684	1,937,150	12,763	496,685
CHUM OR KETA	DO	523,568	12,828,790	88,947	2,209,877
PINK	DO	1,257,299	34,423,490	95,242	2,799,569
RED OR SOCKEYE	DO	1,295,545	46,561,460	142,107	6,905,708
SILVER OR COHO	DO	81,866	2,545,760	61,856	2,160,310
STEELHEAD	DO	-	-	206	8,240
TOTAL CANNED SALMON	DO	3,211,962	98,296,650	401,121	14,580,389
EGGS FOR BAIT	DO	-	-	14,242	955,240
SMOKED AND KIPPERED (INCLUDING STEELHEAD)	DO	302	30,960	259	25,827
CURED:					
SALTED:					
MILD-CURED AND PICKLED	POUNDS	2,558,300	2,521,390	1,965,979	1,766,046
EGGS FOR FOOD AND BAIT	DO	452,200	90,030	348,341	159,762
SMOKED (INCLUDING KIPPERED)	DO	9,300	9,290	522,988	373,363
SHAD, CANNED:					
FISH	STANDARD CASES	-	-	(1)	(1)
ROE	DO	-	-	(1)	(1)
STURGEON, SMOKED, CANNED	DO	-	-	239	10,190
TUNA:					
CANNED:					
ALBACORE	DO	-	-	153,637	1,825,549
LIGHT MEAT	DO	-	-	202,783	1,939,376
TOTAL CANNED TUNA	DO	-	-	356,420	3,764,925
SPECIALTIES (WITH CREAM SAUCE AND WITH NOODLES)	DO	-	-	(1)	(1)
CRABS:					
DUNGENESS:					
COOKED MEAT, FRESH AND FROZEN	POUNDS	696,900	734,040	520,441	568,729
FROZEN SECTIONS	DO	55,800	16,730	-	-
CANNED	STANDARD CASES	17,319	530,320	23,566	606,218
KING:					
COOKED MEAT, FROZEN	POUNDS	4,637,800	4,559,980	-	-
FROZEN SECTIONS AND LEGS	DO	672,900	337,310	-	-
CANNED	STANDARD CASES	152,719	4,574,980	(1)	(1)
TANNER MEAT, FROZEN	POUNDS	1,400	1,220	-	-
SHRIMP:					
RAW, HEADLESS, FRESH AND FROZEN	DO	1,200	1,840	-	-
MEAT, RAW AND COOKED (INCLUDING PEELED AND DEVEINED), FRESH AND FROZEN	DO	314,500	281,460	-	-
CANNED	STANDARD CASES	112,772	1,568,390	(1)	(1)

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:					
HARD (INCLUDING PISMO), CANNED:					
WHOLE AND MINCED	STANDARD CASES	-	-	3,636	$43,727
CHOWDER AND JUICE.	DO	-	-	13,530	82,382
RAZOR (INCLUDING COCKLES IN ALASKA):					
SHUCKED.	GALLONS	-	-	9,935	63,697
WHOLE AND MINCED, CANNED . . .	STANDARD CASES	19,252	$409,330	1,850	39,493
OYSTERS:					
SHUCKED, FRESH AND FROZEN:					
PACIFIC.	GALLONS	-	-	774,599	3,105,752
WESTERN.	DO	-	-	3,201	97,915
CANNED:					
REGULAR PACK	STANDARD CASES	-	-	66,267	1,005,057
STEW	DO	-	-	124,612	1,691,740
SMOKED	DO	-	-	918	98,334
FUR SEAL:					
MEAL	TONS	312	24,130	-	-
OIL.	GALLONS	52,458	14,819	-	-
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN . . .	POUNDS	-	-	2/1,357,560	2/ 638,064
CANNED FISH AND SHELLFISH. . . .	STANDARD CASES	-	-	5/ 101,884	5/1,081,440
CURED FISH	POUNDS	-	-	8/ 336,660	8/ 86,676
INDUSTRIAL PRODUCTS.	-	-	-	-	11/ 173,775
TOTAL.	-	-	114,833,744	-	38,377,138

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
ANCHOVIES, CANNED.	STANDARD CASES	-	-	73,108	$409,276
COD:					
FILLETS:					
FRESH.	POUNDS	15,109	$3,293	-	-
FROZEN	DO	17,975	3,954	-	-
SALTED (WHOLE AND BONED)	DO	-	-	(1)	(1)
FLOUNDER FILLETS:					
FRESH.	DO	1,455,975	537,168	1,116,600	374,838
FROZEN	DO	1,095,404	370,739	1,255,552	411,336
HALIBUT, FILLETS, STEAKS, AND PORTIONS, FRESH AND FROZEN. . . .	DO	544,194	230,607	1,240,212	791,213
LINGCOD FILLETS:					
FRESH.	DO	129,029	28,010	-	-
FROZEN	DO	49,808	10,755	42,500	9,350
MACKEREL, CANNED:					
JACK	STANDARD CASES	-	-	994,336	6,228,459
PACIFIC.	DO	-	-	384,017	2,300,190
OCEAN PERCH FILLETS:					
FRESH.	POUNDS	573,915	118,760	-	-
FROZEN	DO	891,284	221,949	180,000	43,200
ROCKFISHES, FILLETS:					
FRESH.	DO	1,098,212	224,043	264,800	66,200
FROZEN	DO	213,073	46,557	404,884	92,673
SABLEFISH, CURED, SMOKED (INCLUDING KIPPERED).	DO	(1)	(1)	295,104	217,363
SALMON:					
FRESH AND FROZEN, FILLETS AND STEAKS.	DO	-	-	124,487	100,461
CANNED:					
CHINOOK OR KING.	STANDARD CASES	48,253	2,418,356	(1)	(1)
CHUM OR KETA	DO	1,714	46,074	-	-
PINK	DO	1,151	42,908	-	-
RED OR SOCKEYE	DO	4,021	237,392	-	-
SILVER OR COHO	DO	21,513	994,586	-	-
STEELHEAD.	DO	6,633	319,622	-	-
TOTAL CANNED SALMON.	DO	83,285	4,058,938	(1)	(1)
SMOKED AND KIPPERED (INCLUDING STEELHEAD).	DO	105	8,294	(1)	(1)
CURED:					
SALTED, MILD-CURED AND PICKLED	POUNDS	-	-	1,461,605	1,218,619
SMOKED (INCLUDING KIPPERED). .	DO	(1)	(1)	1,139,470	1,115,13
SARDINES, PACIFIC:					
CANNED	STANDARD CASES	-	-	419,086	3,664,0
MEAL	TONS	-	-	2,518	257,171
OIL.	GALLONS	-	-	86,167	[illegible]

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
SHAD, CANNED:					
FISH	STANDARD CASES	2,219	$23,583	-	-
ROE	DO	1,196	152,621	(1)	(1)
STURGEON, SMOKED, CANNED	DO	238	18,450	-	-
TUNA:					
CANNED:					
ALBACORE	DO	643,624	9,239,393	1,619,071	$21,028,274
LIGHT MEAT	DO	261,622	2,849,596	8,754,759	101,939,547
UNCLASSIFIED (TONNO)	DO	-	-	171,738	2,296,995
TOTAL	DO	905,246	12,088,989	10,545,568	125,264,816
SPECIALTIES (WITH CREAM SAUCE AND WITH NOODLES)	DO	(1)	(1)	59,399	676,414
SMOKED	POUNDS	-	-	8,054	4,502
YELLOWTAIL AND BONITO, CANNED	STANDARD CASES	-	-	158,726	1,117,328
CRABS, DUNGENESS:					
COOKED MEAT, FRESH AND FROZEN	POUNDS	1,228,199	1,282,785	1,800,474	1,844,096
CANNED	STANDARD CASES	13,728	369,916	(1)	(1)
SHRIMP:					
RAW, HEADLESS, FRESH AND FROZEN	POUNDS	-	-	365,133	308,329
MEAT, RAW AND COOKED (INCLUDING PEELED AND DEVEINED), FRESH AND FROZEN	POUNDS	115,091	126,047	410,041	473,864
BREADED, FROZEN	DO	-	-	4,126,970	2,808,667
CANNED	STANDARD CASES	(1)	(1)	-	-
ABALONE STEAKS, FROZEN	POUNDS	-	-	488,372	657,703
CLAMS:					
HARD (INCLUDING PISMO), CANNED, WHOLE AND MINCED	STANDARD CASES	-	-	(1)	(1)
RAZOR (INCLUDING COCKLES IN ALASKA):					
SHUCKED	GALLONS	(1)	(1)	-	-
WHOLE AND MINCED, CANNED	STANDARD CASES	87	22,612	-	-
OYSTERS:					
SHUCKED, FRESH AND FROZEN:					
PACIFIC	GALLONS	110,142	448,699	129,114	503,121
WESTERN	DO	(1)	(1)	-	-
CANNED:					
REGULAR PACK	STANDARD CASES	(1)	(1)	-	-
STEW	DO	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
SCALLOPS, BREADED, FROZEN (RAW AND COOKED)	POUNDS	-	-	268,145	171,756
SQUID, CANNED	STANDARD CASES	-	-	114,000	548,354
WHALE:					
MEAT, FROZEN (FOR ANIMAL FOOD)	POUNDS	65,761	4,274	4,943,850	396,631
MEAL	TONS	17	1,716	1,641	201,380
OIL:					
SPERM	GALLONS	4,090	2,607	88,728	60,509
OTHER	DO	1,176	529	368,720	178,694
SOLUBLES	TONS	14	552	-	-
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN	POUNDS	3/ 31,465	3/ 48,096	4/7,435,959	4/ 3,140,618
CANNED FISH AND SHELLFISH	STANDARD CASES	6/191,239	6/1,190,198	7/2,002,585	7/12,660,173
CURED FISH	POUNDS	9/ 8,200	9/ 8,218	10/1,073,172	10/ 468,177
INDUSTRIAL PRODUCTS	-	-	12/ 468,153	-	13/13,181,103
TOTAL	-	-	22,121,112	-	182,002,016

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN SABLEFISH AND SWORDFISH STEAKS, AND RAW AND COOKED FISH STICKS. 3/ INCLUDES SHUCKED SOFT, RAZOR, AND MIXED CLAMS, AND WESTERN OYSTERS. 4/ INCLUDES FROZEN SEA BASS AND SWORDFISH STEAKS, FISH AND CHIPS, RAW UNBREADED FISH PORTIONS, COOKED AND RAW BREADED FISH PORTIONS AND STICKS, BREADED ABALONE STEAKS, ABALONE CAKES, BREADED OYSTERS, AND SHUCKED PISMO CLAMS. 5/ INCLUDES CANNED SALMON LIVER, SHAD, SHAD ROE, SMOKED TUNA, FISH CAKES, ANIMAL FOOD, SMOKED DUNGENESS CRAB, KING CRAB, SHRIMP, CLAMS IN THE SHELL, AND OYSTER SOUP. 6/ INCLUDES CANNED SMOKED SHAD, TUNA, ANIMAL FOOD, SMOKED CRAB, SHRIMP, OYSTERS, SMOKED OYSTERS, AND OYSTER STEW. 7/ INCLUDES CANNED PACIFIC HERRING, SALMON, SMOKED SALMON, SHAD ROE, ANIMAL FOOD, DUNGENESS CRAB MEAT, AND MINCED PISMO CLAMS. 8/ INCLUDES SMOKED AND KIPPERED HALIBUT, LINGCOD, AND STURGEON. 9/ INCLUDES SMOKED AND KIPPERED SABLEFISH, SALMON, AND STURGEON. 10/ INCLUDES SALTED CODFISH, PACIFIC MACKEREL AND PACIFIC SARDINES; SMOKED BARRACUDA, BONITO, BUTTERFISH, CARP, CODFISH, CHUBS, HALIBUT, PACIFIC HERRING, SHAD, STURGEON, WAHOO, AND WHITEFISH. 11/ INCLUDES THE VALUE OF MEAL AND SCRAP FROM HERRING, SALMON, TUNA, AND MACKEREL, UNCLASSIFIED FISH, DUNGENESS CRABS, AND SHRIMP; BODY OIL FROM HALIBUT, HERRING, SALMON, TUNA, AND MACKEREL AND UNCLASSIFIED FISH; OYSTER SHELL LIME AND POULTRY GRIT; FISH FOOD PELLETS; AND LIQUID FERTILIZER. 12/ INCLUDES THE VALUE OF MEAL AND SCRAP FROM UNCLASSIFIED FISH; BODY OIL FROM SALMON, TUNA, AND MACKEREL; LIVER OIL FROM UNCLASSIFIED FISH; FISH FOOD PELLETS; ANIMAL FEEDS; FISH SOLUBLES, LIQUID FERTILIZER, AND OYSTER SHELL LIME AND POULTRY GRIT. 13/ INCLUDES THE VALUE OF MEAL AND SCRAP FROM ANCHOVY, TUNA, AND MACKEREL, AND UNCLASSIFIED FISH; BODY OIL FROM ANCHOVY, TUNA, AND MACKEREL, AND UNCLASSIFIED FISH; LIVER OIL FROM SHARKS; FISH SOLUBLES; KELP PRODUCTS; AGAR-AGAR; OYSTER SHELL LIME AND POULTRY GRIT.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH (FILLETS, STEAKS, AND PORTIONS)	1,000 POUNDS	30,832	11,537
SHELLFISH	DO	20,404	15,480
BREADED:			
FISH (FILLETS, PORTIONS, AND STICKS)	DO	7,090	2,906
SHELLFISH	DO	4,429	3,018
SPECIALTIES (FISH AND SHELLFISH)	DO	400	213
WHALE MEAT (FOR ANIMAL FOOD) . .	DO	5,010	401
CANNED:			
FISH FOR HUMAN CONSUMPTION . . .	1,000 STANDARD CASES	17,600	272,829
ANIMAL FOOD AND SALMON EGGS FOR BAIT	DO	2,257	14,821
SHELLFISH	DO	715	12,548
CURED:			
SALTED FISH	1,000 POUNDS	7,570	6,002
SMOKED AND KIPPERED	DO	2,954	2,153
INDUSTRIAL PRODUCTS:			
MEAL AND SCRAP	1,000 TONS	28	2,976
OIL (BODY AND LIVER)	1,000 GALLONS	2,229	1,058
FISH SOLUBLES	1,000 TONS	24	1,481
OYSTER SHELL LIME AND POULTRY GRIT	DO	24	285
OTHER (AGAR-AGAR, FISH FEED PELLETS, ANIMAL FEEDS, KELP PRODUCTS, LIQUID FERTILIZER) .	-	-	9,626
TOTAL	-	-	357,334

* * *

VALUE OF MANUFACTURED PRODUCTS, BY STATES, 1961

(THOUSANDS OF DOLLARS)

STATE	VALUE
ALASKA	114,834
WASHINGTON	38,377
OREGON	22,121
CALIFORNIA	182,002
TOTAL	357,334

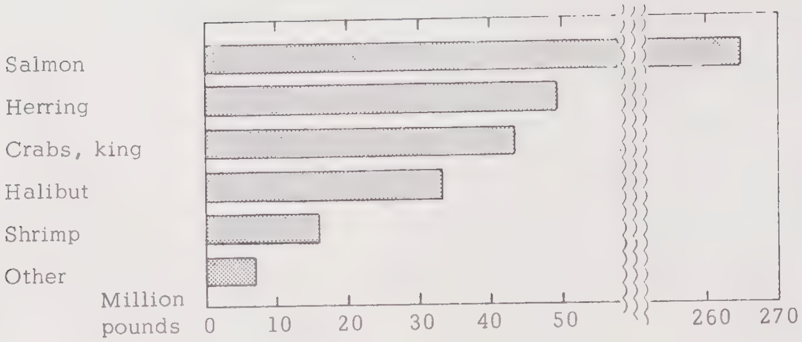
* * *

WHOLESALING AND MANUFACTURING, 1961

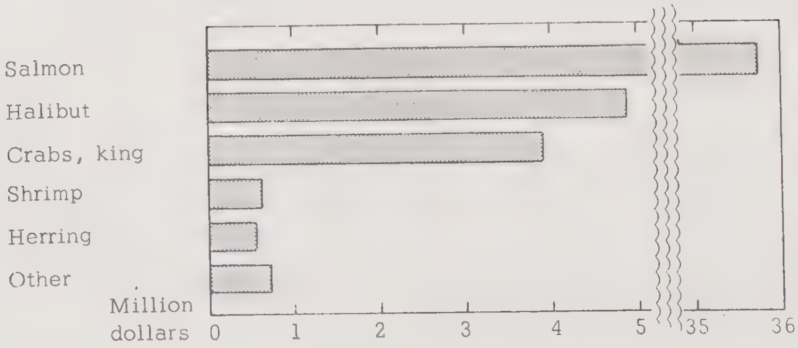
ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	157	181	56	164	558
PERSONS ENGAGED:					
AVERAGE FOR SEASON	8,702	4,482	1,718	9,953	24,855
AVERAGE FOR YEAR	2,901	2,057	1,051	7,469	13,478

PACIFIC COAST FISHERIES

ALASKA CATCH, 1961



VALUE OF ALASKA CATCH, 1961



PACIFIC COAST FISHERIES
ALASKA

CATCH BY REGIONS, 1961

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA	
FISH	POUNDS	VALUE	POUNDS	VALUE
HALIBUT 1/	29,423,600	$4,394,810	3,999,300	$493,000
HERRING	49,419,000	558,330	46,300	690
ROCKFISHES 2/	9,900	490	12,200	590
SABLEFISH	1,334,100	160,090	2,700	320
SALMON: 3/				
CHINOOK OR KING	2,970,700	1,255,070	634,500	151,080
CHUM OR KETA	23,118,200	2,125,810	16,183,500	1,166,630
PINK	63,922,100	6,337,200	39,079,900	3,737,720
RED OR SOCKEYE	4,754,700	1,238,950	18,131,900	3,994,710
SILVER OR COHO	7,799,600	1,525,800	2,925,500	413,320
TOTAL SALMON	102,565,300	12,482,830	76,955,300	9,463,460
TROUT:				
DOLLY VARDEN	12,000	1,440	-	-
STEELHEAD	14,000	2,650	-	-
TOTAL FISH	182,777,900	17,600,640	81,015,800	9,958,060
SHELLFISH				
CLAMS: 4/				
COCKLE	-	-	1,500	860
RAZOR	-	-	389,000	119,880
CRABS:				
DUNGENESS	1,695,000	152,550	2,896,500	289,650
KING	429,600	42,960	38,854,800	3,499,290
TANNER	6,800	680	-	-
SHRIMP	4,212,300	168,490	11,768,200	470,730
TOTAL SHELLFISH	6,343,700	364,680	53,910,000	4,380,410
GRAND TOTAL	189,121,600	17,965,320	134,925,800	14,338,470

SPECIES	WESTERN ALASKA		TOTAL	
FISH	POUNDS	VALUE	POUNDS	VALUE
HALIBUT 1/	-	-	33,422,900	$4,887,810
HERRING	-	-	49,465,300	559,020
ROCKFISHES 2/	-	-	22,100	1,080
SABLEFISH	-	-	1,336,800	160,410
SALMON: 3/				
CHINOOK OR KING	4,935,400	$836,930	8,540,600	2,243,080
CHUM OR KETA	6,819,200	553,780	46,120,900	3,846,220
PINK	535,500	39,880	103,537,500	10,114,800
RED OR SOCKEYE	72,342,900	12,305,550	95,229,500	17,539,210
SILVER OR COHO	660,700	58,280	11,385,800	1,997,400
TOTAL SALMON	85,293,700	13,794,420	264,814,300	35,740,710
TROUT:				
DOLLY VARDEN	-	-	12,000	1,440
STEELHEAD	-	-	14,000	2,650
TOTAL FISH	85,293,700	13,794,420	349,087,400	41,353,120
SHELLFISH				
CLAMS: 4/				
COCKLE	-	-	1,500	860
RAZOR	-	-	389,000	119,880
CRABS:				
DUNGENESS	-	-	4,591,500	442,200
KING	4,127,200	371,450	43,411,600	3,913,700
TANNER	-	-	6,800	680
SHRIMP	-	-	15,980,500	639,220
TOTAL SHELLFISH	4,127,200	371,450	64,380,900	5,116,540
GRAND TOTAL	89,420,900	14,165,870	413,468,300	46,469,660

1/ INCLUDES THE VALUE OF HALIBUT LIVERS AND VISCERA AMOUNTING TO $9,810.

2/ INCLUDES LINGCOD.

3/ ESTIMATED WEIGHTS OF SALMON WERE DETERMINED FOR EACH REGION. THESE WEIGHTS WERE USED TO CONVERT NUMBER OF SALMON TO POUNDS.

4/ THE WEIGHT OF CLAMS REPRESENTS THE WEIGHT OF MEATS BASED ON A YIELD OF 25.5 PERCENT FOR COCKLE AND 42 PERCENT FOR RAZOR CLAMS.

NOTE:--THE ABOVE DATA INCLUDE CATCHES OF HALIBUT, SABLEFISH, LINGCOD, AND ROCKFISHES LANDED BY VESSELS OF U. S. REGISTRY IN BRITISH COLUMBIA PORTS. ROUND WEIGHTS OF FISH TAKEN BY HALIBUT VESSELS WERE OBTAINED BY MULTIPLYING REPORTED WEIGHTS, REPRESENTING POUNDAGE OF FISH EVISCERATED AND WITH HEADS-OFF, BY THE FOLLOWING FACTORS: HALIBUT 1.33, SABLEFISH AND ROCKFISHES 1.43.

PACIFIC COAST FISHERIES

SUMMARY OF PRODUCTS AS PREPARED FOR MARKET, 1961

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	19,629,749	$5,509,575	4,758,150	$1,333,910	-	-	24,387,899	$6,843,485
HERRING	16,756,400	956,970	46,300	1,630	-	-	16,802,700	958,600
ROCKFISHES	8,000	720	9,900	1,430	-	-	17,900	2,150
SABLEFISH	1,086,850	261,990	2,200	440	-	-	1,089,050	262,430
SALMON	69,266,850	39,255,610	47,851,450	29,685,050	53,968,000	$38,108,870	171,086,300	107,049,530
TROUT:								
DOLLY VARDEN	11,950	3,590	-	-	-	-	11,950	3,590
STEELHEAD	7,300	2,960	-	-	-	-	7,300	2,960
CLAMS, COCKLE AND RAZOR	-	-	293,000	410,960	-	-	293,000	410,960
CRABS:								
DUNGENESS	875,800	739,500	693,300	734,680	-	-	1,569,100	1,474,180
KING	142,900	162,570	7,752,000	8,890,610	654,100	572,320	8,549,000	9,625,500
TANNER	1,400	1,220	-	-	-	-	1,400	1,220
SHRIMP	650,600	628,010	1,379,600	1,233,000	-	-	2,030,200	1,861,010
FUR SEAL	-	-	-	-	1,017,400	38,949	1,017,400	38,949
TOTAL	108,437,799	47,522,715	62,785,900	42,291,710	55,639,500	38,720,139	226,863,199	128,534,564

NOTE:--DATA ON PRODUCTS AS PREPARED FOR MARKET INCLUDE THE PRODUCTION OF CANADIAN-CAUGHT HALIBUT LANDED IN ALASKA. THE QUANTITY OF FISH LANDED BY HALIBUT CRAFT OF U.S. REGISTRY AT BRITISH COLUMBIA PORTS IS INCLUDED IN THE CATCH CREDITED TO SOUTHEASTERN ALASKA BUT IS NOT INCLUDED IN DATA ON PRODUCTS AS PREPARED FOR MARKET.

PRODUCTS AS PREPARED FOR MARKET, 1961

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
FRESH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	1,100	$330	-	-	1,100	$330
HERRING, FOR BAIT	-	-	46,300	1,630	-	-	46,300	1,630
ROCKFISHES	-	-	9,900	1,430	-	-	9,900	1,430
SALMON, FOOD	-	-	1,900	1,150	-	-	1,900	1,150
CLAMS, RAZOR, WHOLE	-	-	4,200	1,630	-	-	4,200	1,630
CRABS:								
DUNGENESS, WHOLE	96,800	$77,390	800	300	-	-	97,600	77,690
KING, WHOLE	-	-	46,200	36,040	-	-	46,200	36,040
SHRIMP:								
WHOLE	-	-	3,400	2,380	-	-	3,400	2,380
TAILS	-	-	600	1,240	-	-	600	1,240
TOTAL FRESH	96,800	77,390	114,400	46,130	-	-	211,200	123,520
FROZEN								
HALIBUT:								
DRESSED	19,555,700	5,490,000	4,757,000	1,333,530	-	-	24,312,700	6,823,530
CHEEKS	19,749	6,525	-	-	-	-	19,749	6,525
LIVERS	40,200	11,640	-	-	-	-	40,200	11,640
VISCERA	14,100	1,410	-	-	-	-	14,100	1,410
HERRING, FOR BAIT	3,680,000	132,730	-	-	-	-	3,680,000	132,730
ROCKFISHES, FOR BAIT	8,000	720	-	-	-	-	8,000	720
SABLEFISH, FOR FOOD	1,086,800	261,950	2,200	440	-	-	1,089,000	262,390
SALMON:								
FOOD	8,109,000	3,902,760	2,723,500	988,100	2,683,600	$1,197,240	13,516,100	6,088,100
BAIT	250,100	11,020	-	-	-	-	250,100	11,020
VISCERA	110,000	1,100	-	-	-	-	110,000	1,100
TROUT:								
DOLLY VARDEN	11,900	3,570	-	-	-	-	11,900	3,570
STEELHEAD	7,200	2,800	-	-	-	-	7,200	2,800
CRABS:								
DUNGENESS:								
WHOLE	217,000	66,170	164,100	49,230	-	-	381,100	115,400
SECTIONS	55,800	16,730	-	-	-	-	55,800	16,730
MEAT	115,700	127,500	279,000	279,040	-	-	394,700	406,540
COLD PACK	302,200	327,500	-	-	-	-	302,200	327,500
KING:								
WHOLE	3,100	1,180	25,000	13,700	186,000	102,310	214,100	117,190
SECTIONS	26,500	14,570	579,200	290,410	-	-	605,700	304,980
MEAT	65,000	71,260	4,038,800	3,946,940	465,300	465,340	4,569,100	4,483,540

(CONTINUED ON NEXT PAGE)

PRODUCTS AS PREPARED FOR MARKET, 1961 - Continued

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
FROZEN-CONTINUED	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS-CONTINUED:								
KING-CONT'D:								
COLD PACK .	2,400	$3,540	66,300	$72,900	-	-	68,700	$76,440
LEGS. . . .	4,900	1,810	62,300	30,520	-	-	67,200	32,330
TANNER, MEAT.	1,400	1,220	-	-	-	-	1,400	1,220
SHRIMP:								
WHOLE	19,500	6,940	-	-	-	-	19,500	6,940
COLD PACK MEAT	314,500	281,460	-	-	-	-	314,500	281,460
COLD PACK TAILS. . . .	600	600	-	-	-	-	600	600
TOTAL FROZEN	34,021,349	10,746,705	12,697,400	7,004,810	3,334,900	$1,764,890	50,053,649	19,516,405
CURED								
SABLEFISH, SMOKED	50	40	-	-	-	-	50	40
SALMON:								
MILD CURED. .	1,577,200	1,615,570	1,400	1,050	569,600	553,360	2,148,200	2,169,980
PICKLED . . .	-	-	10,800	8,630	399,300	342,780	410,100	351,410
SMOKED OR KIPPERED . .	4,300	5,220	5,000	4,070	-	-	9,300	9,290
EGGS, SALTED.	452,200	90,030	-	-	-	-	452,200	90,030
TROUT, DOLLY VARDEN, SMOKED	50	20	-	-	-	-	50	20
TOTAL CURED.	2,033,800	1,710,880	17,200	13,750	968,900	896,140	3,019,900	2,620,770
CANNED								
SALMON:								
CHINOOK OR KING	22,200	13,820	829,700	650,220	1,724,900	1,273,110	2,576,800	1,937,150
CHUM OR KETA.	13,371,500	6,821,210	9,090,900	4,660,700	2,668,900	1,346,880	25,131,300	12,828,790
PINK.	39,915,600	22,856,740	20,411,200	11,556,950	23,500	9,800	60,350,300	34,423,490
RED OR SOCKEYE.	3,174,300	2,414,700	13,216,100	10,831,180	45,795,700	33,315,580	62,186,100	46,561,460
SILVER OR COHO	2,270,800	1,500,020	1,556,200	975,620.	102,500	70,120	3,929,500	2,545,760
TOTAL. . . .	58,754,400	33,606,490	45,104,100	28,674,670	50,315,500	36,015,490	154,174,000	98,296,650
HALIBUT, SMOKED	-	-	50	50	-	-	50	50
SALMON, SMOKED:								
CHINOOK OR KING	7,000	19,120	500	950	-	-	7,500	20,070
CHUM OR KETA.	50	80	2,200	3,320	-	-	2,250	3,400
PINK.	100	80	-	-	-	-	100	80
RED OR SOCKEYE.	-	-	150	180	-	-	150	180
SILVER OR COHO	2,500	4,140	1,900	2,930	-	-	4,400	7,070
TOTAL. . . .	9,650	23,420	4,750	7,380	-	-	14,400	30,800
TROUT, STEELHEAD, SMOKED .	100	160	-	-	-	-	100	160
CLAMS, COCKLE AND RAZOR:								
WHOLE	-	-	1,000	1,530	-	-	1,000	1,530
MINCED. . . .	-	-	287,800	407,800	-	-	287,800	407,800
CRABS:								
DUNGENESS . .	88,300	124,210	249,400	406,110	-	-	337,700	530,320
KING.	41,000	70,210	2,934,200	4,500,100	2,800	4,670	2,978,000	4,574,980
SHRIMP.	316,000	339,010	1,375,600	1,229,380	-	-	1,691,600	1,568,390
TOTAL CANNED	59,209,450	34,163,500	49,956,900	35,227,020	50,318,300	36,020,160	159,484,650	105,410,680
INDUSTRIAL PRODUCTS								
MEAL:								
FUR SEAL. . .	-	-	-	-	624,000	24,130	624,000	24,130
HERRING . . .	7,620,000	444,530	-	-	-	-	7,620,000	444,530
OIL:								
FUR SEAL. . .	-	-	-	-	393,400	14,819	393,400	14,819
HERRING . . .	5,456,400	379,710	-	-	-	-	5,456,400	379,710
TOTAL INDUSTRIAL PRODUCTS . . .	13,076,400	824,240	-	-	1,017,400	38,949	14,093,800	863,189
GRAND TOTAL.	108,437,799	47,522,715	62,785,900	42,291,710	55,639,500	38,720,139	226,863,199	128,534,564

SOUTHEASTERN REGION OF ALASKA

OPERATING UNITS BY GEAR, 1961

ITEM	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP	FLOATING TRAPS	POTS, CRAB
	HERRING	SALMON			DUNGENESS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	145	2,413	41	-	34
ON BOATS AND SHORE	-	340	-	22	2
TOTAL	145	2,753	41	22	36
VESSELS, MOTOR	18	415	18	-	16
GROSS TONNAGE	1,626	11,760	491	-	367
BOATS, MOTOR	18	552	-	-	1
GEAR:					
NUMBER	18	483	18	11	2,465
LENGTH, YARDS	8,880	221,650	-	-	-
YARDS AT MOUTH	-	-	202	-	-

ITEM	POTS, CRAB-CONTINUED	GILL NETS, SALMON		LINES		TOTAL, EXCLUSIVE OF DUPLICATION
	KING	DRIFT	SET	LONG OR SET, AND HAND	TROLL, SALMON	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	41	126	-	1,149	792	4,047
ON BOATS AND SHORE	-	286	178	118	976	1,734
TOTAL	41	412	178	1,267	1,768	5,781
VESSELS, MOTOR	14	93	-	263	668	1,264
GROSS TONNAGE	430	972	-	7,952	9,063	27,308
BOATS, MOTOR	-	286	178	76	827	1,847
GEAR:						
NUMBER	405	391	178	8,510	5,980	-
LENGTH, YARDS	-	164,380	23,534	-	-	-
SQUARE YARDS	-	1,144,466	95,052	-	-	-
HOOKS	-	-	-	754,139	36,862	-

1/ INCLUDES HAUL SEINES.

SOUTHEASTERN REGION OF ALASKA

CATCH BY GEAR, 1961

SPECIES	PURSE SEINES 1/		BEAM TRAWLS		FLOATING TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING	49,419,000	$558,330	-	-	-	-
SALMON:						
CHINOOK OR KING	98,300	12,210	-	-	500	$40
CHUM OR KETA	20,043,300	1,751,250	-	-	392,000	33,700
PINK	56,849,600	5,618,720	-	-	4,795,800	476,180
RED OR SOCKEYE	2,722,700	692,950	-	-	119,100	28,790
SILVER OR COHO	2,298,600	250,930	-	-	85,600	9,450
TOTAL SALMON	82,012,500	8,326,060	-	-	5,393,000	548,160
TROUT:						
DOLLY VARDEN	5,700	490	-	-	-	-
STEELHEAD	200	40	-	-	-	-
SHRIMP	-	-	4,212,300	$168,490	-	-
TOTAL	131,437,400	8,884,920	4,212,300	168,490	5,393,000	548,160

SPECIES	POTS		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	-	-	46,200	$10,060	309,000	$50,000
CHUM OR KETA	-	-	156,300	13,850	2,503,700	324,890
PINK	-	-	366,400	29,880	1,812,400	202,770
RED OR SOCKEYE	-	-	612,800	116,090	1,291,200	399,120
SILVER OR COHO	-	-	1,087,800	162,850	815,500	168,250
TOTAL SALMON	-	-	2,269,500	332,730	6,731,800	1,145,030

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA

CATCH BY GEAR, 1961 - Continued

SPECIES	POTS		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TROUT, STEELHEAD	-	-	-	-	13,700	$2,590
CRABS:						
DUNGENESS	1,695,000	$152,550	-	-	-	-
KING	429,600	42,960	-	-	-	-
TANNER	6,800	680	-	-	-	-
TOTAL	2,131,400	196,190	2,269,500	$332,730	6,[illegible]45,[illegible]00	1,147,620

SPECIES	LINES			
	LONG OR SET AND HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	29,423,600	$4,394,810	-	-
ROCKFISHES 2/	8,400	420	1,500	$70
SABLEFISH	1,334,100	160,090	-	-
SALMON:				
CHINOOK OR KING	-	-	2,516,700	1,182,760
CHUM OR KETA	-	-	22,900	2,120
PINK	-	-	97,900	9,650
RED OR SOCKEYE	-	-	8,900	2,000
SILVER OR COHO	-	-	3,512,100	934,320
TOTAL SALMON	-	-	6,158,500	2,130,850
TROUT:				
DOLLY VARDEN	-	-	6,300	950
STEELHEAD	-	-	100	20
TOTAL	30,766,100	4,555,320	6,166,400	2,131,890

1/ INCLUDES HAUL SEINES.

2/ INCLUDES LINGCOD.

CENTRAL REGION OF ALASKA

OPERATING UNITS BY GEAR, 1961

ITEM	PURSE SEINES 1/		OTTER TRAWLS		POTS		
	HERRING	SALMON	SHRIMP	FISH	CRAB		SHRIMP
					DUNGENESS	KING	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	5	1,852	50	6	40	704	-
ON BOATS AND SHORE	3	1,268	-	-	66	106	2
TOTAL	8	3,120	50	6	106	810	2
VESSELS, MOTOR	1	442	16	2	20	272	-
GROSS TONNAGE	16	6,612	772	94	219	7,424	-
BOATS, MOTOR	3	1,079	-	-	35	53	1
GEAR:							
NUMBER	2	759	16	2	5,500	9,701	30
LENGTH, YARDS	800	266,716	-	-	-	-	-
YARDS AT MOUTH	-	-	255	30	-	-	-

ITEM	GILL NETS, SALMON		LINES		DIP NETS	SHOVELS, CLAM	TOTAL, EXCLUSIVE OF DUPLICATION
	ANCHOR, SET OR STAKE	DRIFT	LONG OR SET AND HAND	TROLL, SALMON			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	72	277	255	27	-	-	2,561
ON BOATS AND SHORE	842	663	14	4	10	394	3,133
TOTAL	914	940	269	31	10	394	5,694
VESSELS, MOTOR	35	187	49	14	-	-	707
GROSS TONNAGE	728	2,241	2,077	362	-	-	14,790
BOATS, MOTOR	842	663	9	4	-	-	2,600
GEAR:							
NUMBER	877	850	1,879	72	10	394	-
LENGTH, YARDS	201,622	257,708	-	-	-	-	-
SQUARE YARDS	726,419	1,107,758	-	-	-	-	-
HOOKS	-	-	[illegible]42,[illegible]	535	-	-	-

1/ INCLUDES HAUL SEINES.

PACIFIC COAST FISHERIES

CENTRAL REGION OF ALASKA

CATCH BY GEAR, 1961

SPECIES	PURSE SEINES 1/		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING	17,400	$260	-	-	-	-
ROCKFISHES 2/	-	-	12,200	$590	-	-
SALMON:						
CHINOOK OR KING	23,300	5,730	-	-	-	-
CHUM OR KETA	12,309,300	862,030	-	-	-	-
PINK	36,526,400	3,491,050	-	-	-	-
RED OR SOCKEYE	5,143,600	926,120	-	-	-	-
SILVER OR COHO	321,800	37,060	-	-	-	-
TOTAL SALMON	54,324,400	5,321,990	-	-	-	-
CRABS:						
DUNGENESS	-	-	-	-	2,896,500	$289,650
KING	-	-	-	-	38,854,800	3,499,290
SHRIMP	-	-	11,610,400	464,420	157,800	6,310
TOTAL	54,341,800	5,322,250	11,622,600	465,010	41,909,100	3,795,250

SPECIES	GILL NETS				LINES	
	ANCHOR, SET OR STAKE		DRIFT		LONG OR SET AND HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	3,999,300	$493,000
SABLEFISH	-	-	-	-	2,700	320
SALMON:						
CHINOOK OR KING	413,600	$93,230	192,600	$49,780	-	-
CHUM OR KETA	1,425,000	107,650	2,449,200	196,950	-	-
PINK	2,434,600	234,130	117,500	12,390	-	-
RED OR SOCKEYE	4,661,900	1,021,930	8,325,800	2,046,530	-	-
SILVER OR COHO	677,000	100,140	1,840,000	253,040	-	-
TOTAL SALMON	9,612,100	1,557,080	12,925,100	2,558,690	-	-
TOTAL	9,612,100	1,557,080	12,925,100	2,558,690	4,002,000	493,320

SPECIES	LINES - CONTINUED		DIP NETS		SHOVELS	
	TROLL					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING	-	-	28,900	$430	-	-
SALMON:						
CHINOOK OR KING	5,000	$2,340	-	-	-	-
PINK	1,400	150	-	-	-	-
RED OR SOCKEYE	600	130	-	-	-	-
SILVER OR COHO	86,700	23,080	-	-	-	-
TOTAL SALMON	93,700	25,700	-	-	-	-
CLAMS:						
COCKLE 3/	-	-	-	-	1,500	$860
RAZOR 4/	-	-	-	-	389,000	119,880
TOTAL	93,700	25,700	28,900	430	390,500	120,740

1/ INCLUDES HAUL SEINES.

2/ INCLUDES LINGCOD.

3/ BASED ON A YIELD OF 25.5 PERCENT MEATS.

4/ BASED ON A YIELD OF 42 PERCENT MEATS.

PACIFIC COAST FISHERIES

WESTERN REGION OF ALASKA

OPERATING UNITS BY GEAR, 1961

ITEM	PURSE SEINES, SALMON 1/	OTTER TRAWLS, CRAB	POTS, CRAB, KING	GILL NETS, SALMON		FISH WHEELS	TOTAL, EXCLUSIVE OF DUPLICATION
				ANCHOR, SET OR STAKE	DRIFT		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	83	3	30	-	367	-	470
ON BOATS AND SHORE.	32	-	-	992	3,116	8	4,042
TOTAL	115	3	30	992	3,483	8	4,512
VESSELS, MOTOR.	19	1	9	-	185	-	209
GROSS TONNAGE	588	96	617	-	1,722	-	2,904
BOATS, MOTOR.	35	-	-	992	1,640	-	2,377
GEAR:							
NUMBER.	27	1	380	992	1,825	8	-
LENGTH, YARDS	10,620	-	-	147,586	489,059	-	-
SQUARE YARDS.	-	-	-	704,915	1,691,222	-	-
YARDS AT MOUTH.	-	20	-	-	-	-	-

1/ INCLUDES HAUL SEINES.

WESTERN REGION OF ALASKA - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES 1/		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	4,700	$830	-	-	-	-
CHUM OR KETA.	799,800	60,420	-	-	-	-
PINK.	442,400	35,210	-	-	-	-
RED OR SOCKEYE.	180,600	31,150	-	-	-	-
SILVER OR COHO.	2,600	490	-	-	-	-
TOTAL SALMON.	1,430,100	128,100	-	-	-	-
CRABS, KING	-	-	2,300	$210	4,124,900	$371,240
TOTAL	1,430,100	128,100	2,300	210	4,124,900	371,240

SPECIES	GILL NETS				FISH WHEELS	
	ANCHOR, SET OR STAKE		DRIFT			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	2,650,500	$391,770	2,239,700	$438,470	40,500	$5,860
CHUM OR KETA.	936,400	71,070	5,083,000	422,290	-	-
PINK.	91,000	4,530	2,100	140	-	-
RED OR SOCKEYE.	4,802,800	817,440	67,359,500	11,456,960	-	-
SILVER OR COHO.	447,400	40,040	210,700	17,750	-	-
TOTAL SALMON.	8,928,100	1,324,850	74,895,000	12,335,610	40,500	5,860
TOTAL	8,928,100	1,324,850	74,895,000	12,335,610	40,500	5,860

1/ INCLUDES HAUL SEINES.

NUMBER OF SALMON CAUGHT, BY REGIONS, 1961

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE
CHINOOK OR KING. .	229,538	$1,255,070	30,912	$151,080	243,132	$836,930	503,582	$2,243,080
CHUM OR KETA . . .	2,559,269	2,125,810	2,080,429	1,166,630	991,090	553,780	5,630,788	3,846,220
PINK	12,637,503	6,337,200	8,736,378	3,737,720	131,893	39,880	21,505,774	10,114,800
RED OR SOCKEYE . .	744,484	1,238,950	3,030,251	3,994,710	12,306,570	12,305,550	16,081,305	17,539,210
SILVER OR COHO . .	889,419	1,525,800	357,377	413,320	66,980	58,280	1,313,776	1,997,400
TOTAL. . . .	17,060,213	12,482,830	14,235,347	9,463,460	13,739,665	13,794,420	45,035,225	35,740,710

NOTE:--THE SALMON CATCH IS REPORTED IN NUMBERS OF FISH. THE ROUND WEIGHTS USED IN CATCH TABLES WERE OBTAINED BY MULTIPLYING NUMBER OF FISH BY THEIR AVERAGE WEIGHT.

AVERAGE WEIGHT OF SALMON, BY REGIONS, 1961, 1960, AND 1959

SPECIES	1961			ALL REGIONS		
	SOUTHEASTERN	CENTRAL	WESTERN	1961	1960	1959
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
CHINOOK OR KING. .	12.941	20.525	20.299	16.959	16.537	19.496
CHUM OR KETA . . .	9.033	7.778	6.880	8.190	7.199	7.984
PINK	5.058	4.473	4.060	4.814	3.270	4.396
RED OR SOCKEYE . .	6.386	5.983	5.878	5.921	4.944	5.449
SILVER OR COHO . .	8.769	8.185	9.863	8.666	6.802	7.889

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1961

ITEM	SOUTHEASTERN ALASKA	CENTRAL ALASKA	WESTERN ALASKA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:				
PERSONS ENGAGED.	196	310	268	767
CRAFT TRANSPORTING:				
VESSELS, MOTOR	85	111	30	225
GROSS TONNAGE.	7,063	13,731	3,724	22,612
BOATS, MOTOR	8	10	18	35
LIGHTERS AND SCOWS . . .	44	93	87	224
BOATS AND SKIFFS USED OTHER THAN IN FISHING OR TRANSPORTING	109	47	78	234
SCOWS, PILEDRIVERS, ETC. . .	4	5	-	9
WHOLESALE AND MANUFACTURING, PERSONS ENGAGED	2,639	2,882	3,253	8,702
ESTABLISHMENTS:				
HANDLING FRESH AND FROZEN FISH AND SHELLFISH. . . .	26	23	10	54
CURING FISH.	17	9	14	40
CANNING FISH AND SHELLFISH	25	43	23	90
MANUFACTURING INDUSTRIAL PRODUCTS.	4	-	1	5
TOTAL ESTABLISHMENTS, (EXCLUSIVE OF DUPLICATION)	55	64	44	157

PRODUCTION OF CANNED PRODUCTS, 1961

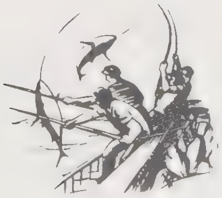
(IN STANDARD CASES)

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
HALIBUT, SMOKED. .	-	-	1	$50	-	-	1	$50
SALMON:								
CHINOOK OR KING.	463	$13,820	17,286	650,220	35,935	$1,273,110	53,684	1,937,150
CHUM OR KETA . .	278,572	6,821,210	189,394	4,660,700	55,602	1,346,880	523,568	12,828,790
PINK	831,576	22,856,740	425,233	11,556,950	490	9,800	1,257,299	34,423,490
RED OR SOCKEYE .	66,132	2,414,700	275,335	10,831,180	954,078	33,315,580	1,295,545	46,561,460
SILVER OR COHO .	47,309	1,500,020	32,421	975,620	2,136	70,120	81,866	2,545,760
TOTAL	1,224,052	33,606,490	939,669	28,674,670	1,048,241	36,015,490	3,211,962	98,296,650
SALMON, SMOKED:								
CHINOOK OR KING.	146	19,120	11	950	-	-	157	20,070
CHUM OR KETA . .	1	80	45	3,320	-	-	46	3,400
PINK	2	80	-	-	-	-	2	80
RED OR SOCKEYE .	-	-	3	180	-	-	3	180
SILVER OR COHO .	52	4,140	40	2,930	-	-	92	7,070
TOTAL	201	23,420	99	7,380	-	-	300	30,800
TROUT, SMOKED, STEELHEAD	2	160	-	-	-	-	2	160
SHELLFISH								
CLAMS, COCKLE AND RAZOR	-	-	19,252	409,330	-	-	19,252	409,330
CRAB MEAT:								
DUNGENESS. . . .	4,530	124,210	12,789	406,110	-	-	17,319	530,320
KING	2,104	70,210	150,469	4,500,100	146	4,670	152,719	4,574,980
SHRIMP	21,064	339,010	91,708	1,229,380	-	-	112,772	1,568,390
GRAND TOTAL . .	1,251,953	34,163,500	1,213,987	35,227,020	1,048,387	36,020,160	3,514,327	105,410,680

NOTE:--STANDARD CASES REPRESENT THE VARIOUS SIZE PACKS CONVERTED AS FOLLOWS: SALMON, 48 CANS, EACH CONTAINING 16 OUNCES; CLAMS, 48 CANS, EACH CONTAINING 5 OUNCES OF MEATS (DRAINED WEIGHT); CRAB MEAT, 48 CANS, EACH CONTAINING 6-1/2 OUNCES; AND SHRIMP, 48 CANS, EACH CONTAINING 5 OUNCES OF MEAT (DRAINED WEIGHT).

PRODUCTION OF INDUSTRIAL PRODUCTS, 1961

ITEM		SOUTHEASTERN ALASKA		WESTERN ALASKA		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MEAL:							
FUR SEAL	TONS	-	-	312	$24,130	312	$24,130
HERRING.	"	3,810	$444,530	-	-	3,810	444,530
OIL:							
FUR SEAL	GALLONS	-	-	52,458	14,819	52,458	14,819
HERRING.	"	727,520	379,710	-	-	727,520	379,710
TOTAL	-	-	824,240	-	38,949	-	863,189



PACIFIC COAST FISHERIES

WASHINGTON

CATCH BY DISTRICTS, 1961

SPECIES	PUGET SOUND		COASTAL		COLUMBIA RIVER	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP.	-	-	-	-	798,000	$9,576
COD	2,958,700	$144,977	4,100	$205	-	-
FLOUNDERS:						
"SOLE".	15,249,600	956,986	44,000	3,448	-	-
OTHER	1,171,100	56,210	3,300	158	13,500	311
HAKE.	158,400	1,108	-	-	-	-
HALIBUT	19,285,000	3,436,548	79,800	10,025	5,300	594
HERRING, SEA.	3,606,700	134,642	-	-	-	-
LINGCOD	5,587,300	280,891	219,700	9,235	13,600	429
OCEAN PERCH	7,860,000	392,998	10,900	437	-	-
PERCH	161,700	20,989	14,900	847	-	-
RATFISH	1,130,400	7,913	-	-	-	-
ROCKFISHES.	6,729,800	274,989	337,800	12,063	89,200	1,874
SABLEFISH	3,167,200	396,163	13,700	980	-	-
SALMON:						
CHINOOK OR KING	2,640,000	1,035,845	1,808,500	821,457	1,561,200	585,750
CHUM OR KETA.	1,523,400	320,145	460,000	82,746	5,400	881
PINK.	4,809,100	815,225	106,000	20,843	100	19
RED OR SOCKEYE.	8,104,300	2,642,375	152,800	78,361	52,400	20,966
SILVER OR COHO.	5,136,300	1,517,381	2,563,900	778,833	974,900	288,183
TOTAL SALMON.	22,213,100	6,330,971	5,091,200	1,782,240	2,594,000	895,799
SHAD.	100	5	1,600	80	165,600	14,822
SHARKS:						
GRAYFISH.	790,700	3,953	-	-	-	-
SOUPFIN	1,300	88	-	-	-	-
TOTAL SHARKS.	792,000	4,041	-	-	-	-
SKATES.	499,600	2,498	-	-	-	-
SMELT:						
EULACHON.	-	-	1,100	108	871,100	117,593
SURF OR SILVER.	66,100	8,002	191,800	15,384	-	-
STEELHEAD TROUT	64,200	17,972	122,900	34,421	180,600	46,958
STURGEON.	23,500	3,532	172,100	18,301	134,700	20,831
SUCKERS	-	-	-	-	27,600	386
TOMCOD.	58,100	1,163	-	-	-	-
TUNA, ALBACORE.	133,500	24,968	295,900	54,745	27,000	4,729
TOTAL FISH.	90,916,100	12,497,566	6,604,800	1,942,677	4,920,200	1,113,902
SHELLFISH						
CRABS, DUNGENESS 1/	1,638,400	222,827	5,123,600	798,665	346,500	53,359
CRAWFISH, FRESH-WATER	-	-	-	-	2,200	497
SHRIMP:						
BAY	26,600	11,799	-	-	-	-
OCEAN	-	-	1,436,700	118,799	-	-
CLAMS:						
HARD: 2/						
BUTTER.	72,200	18,492	-	-	-	-
LITTLE NECK	248,000	114,039	-	-	-	-
MANILA.	72,900	31,206	8,200	3,528	-	-
RAZOR 3/.	-	-	281,100	132,526	-	-
TOTAL CLAMS	393,100	163,737	289,300	136,054	-	-
OCTOPUS	24,800	3,294	100	10	-	-
OYSTERS, MARKET: 4/						
PACIFIC	2,957,900	536,110	5,661,600	1,021,058	-	-
WESTERN	38,100	95,175	-	-	-	-
TOTAL OYSTERS	2,996,000	631,285	5,661,600	1,021,058	-	-
SCALLOPS, BAY 5/.	300	309	-	-	-	-
SQUID	400	49	-	-	-	-
TOTAL SHELLFISH	5,079,600	1,033,300	12,511,300	2,074,586	348,700	53,856
GRAND TOTAL	95,995,700	13,530,866	19,116,100	4,017,263	5,268,900	1,167,758

1/ BASED ON AN AVERAGE YIELD OF 22 POUNDS PER DOZEN IN THE PUGET SOUND DISTRICT AND 24 POUNDS PER DOZEN IN THE COASTAL AND COLUMBIA RIVER DISTRICTS.

2/ BASED ON A YIELD OF 25 PERCENT MEATS.

3/ BASED ON A YIELD OF 42 PERCENT MEATS.

4/ BASED ON A YIELD OF 10 PERCENT MEATS IN THE PUGET SOUND DISTRICT AND 12 PERCENT MEATS IN THE COASTAL DISTRICT.

5/ BASED ON A YIELD OF 17 PERCENT MEATS.

PACIFIC COAST FISHERIES

PUGET SOUND DISTRICT OF WASHINGTON
OPERATING UNITS, 1961

ITEM	HAUL SEINES 1/	PURSE SEINES		BEAM TRAWLS	OTTER TRAWLS	BRUSH WEIRS
		HERRING	SALMON			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	21	26	2,207	2	442	-
ON BOATS AND SHORE	300	-	-	-	-	5
TOTAL	321	26	2,207	2	442	5
VESSELS, MOTOR	7	4	324	1	119	-
GROSS TONNAGE	59	160	12,013	12	5,547	-
BOATS:						
MOTOR	88	4	324	-	-	1
OTHER	35	-	-	-	-	-
GEAR:						
NUMBER	130	4	324	1	119	1
LENGTH, YARDS	9,500	1,735	171,720	-	-	-
YARDS AT MOUTH	-	-	-	9	2,589	-

ITEM	POUND NETS 2/	POTS			GILL NETS		
		CRAB	OCTOPUS	SHRIMP	ANCHOR, SET OR STAKE		DRIFT, SALMON
					SALMON 2/	SHARK	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	59	-	-	-	-	283
ON BOATS AND SHORE	12	96	5	5	215	7	725
TOTAL	12	155	5	5	215	7	1,008
VESSELS, MOTOR	-	27	-	-	-	-	222
GROSS TONNAGE	-	673	-	-	-	-	2,346
BOATS:							
MOTOR	3	66	3	4	150	7	629
OTHER	-	2	-	-	65	-	5
GEAR:							
NUMBER	3	6,900	100	140	215	7	856
SQUARE YARDS	-	-	-	-	54,000	7,000	5,088,000

ITEM	LINES				DIP NETS	REEF NETS
	HAND	TROLL		LONG OR SET		
		SALMON	ALBACORE			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	10	597	100	667	19	-
ON BOATS AND SHORE	30	480	-	-	9	400
TOTAL	40	1,077	100	667	28	400
VESSELS, MOTOR	8	381	50	117	6	-
GROSS TONNAGE	78	5,707	1,171	5,370	62	-
BOATS:						
MOTOR	27	403	-	-	4	-
OTHER	-	-	-	-	-	200
GEAR:						
NUMBER	84	3,786	443	4,548	28	100
HOOKS	168	15,050	443	371,059	-	-

ITEM	DREDGES			SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	OYSTER				
		COMMON	SUCTION			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	2	14	3	-	-	3,938
ON BOATS AND SHORE	4	9	-	254	168	2,610
TOTAL	6	23	3	254	168	6,548
VESSELS, MOTOR	1	5	1	-	-	1,088
GROSS TONNAGE	8	106	41	-	-	28,5[illegible]8
BOATS:						
MOTOR	2	4	-	-	43	1,[illegible]
OTHER	-	-	-	-	2[illegible]	[illegible]
GEAR:						
NUMBER	3	19	1	254	-	-
YARDS AT MOUTH	3	36	-	-	-	-

1/ INCLUDES 52 HAUL SEINES OPERATED ON INDIAN RESERVATIONS.
2/ FISHED ONLY ON INDIAN RESERVATIONS.

PUGET SOUND DISTRICT OF WASHINGTON - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES 1/		PURSE SEINES		BEAM TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
"SOLE".	100	$6	-	-	-	-
OTHER	200	9	-	-	-	-
HERRING, SEA.	246,800	61,688	3,148,800	$36,568	-	-
LINGCOD	-	-	300	14	-	-
PERCH	157,200	20,431	-	-	-	-
ROCKFISHES.	2,000	78	-	-	-	-
SALMON:						
CHINOOK OR KING	145,900	51,052	385,300	96,316	-	-
CHUM OR KETA.	23,300	4,201	647,900	142,545	-	-
PINK.	527,300	85,429	2,395,200	388,019	-	-
RED OR SOCKEYE.	-	-	4,797,600	1,564,007	-	-
SILVER OR COHO.	153,100	42,881	988,500	276,775	-	-
SHARKS, GRAYFISH 3/	-	-	600	3	-	-
SMELT, SURF OR SILVER	66,100	8,002	-	-	-	-
SHRIMP, BAY	-	-	-	-	8,000	$2,728
SCALLOPS, BAY 7/.	-	-	-	-	300	309
TOTAL	1,322,000	273,777	12,364,200	2,504,247	8,300	3,037

SPECIES	OTTER TRAWLS		BRUSH WEIRS		POUND NETS 2/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	2,950,700	$144,585	-	-	-	-
FLOUNDERS:						
"SOLE".	15,248,900	956,927	-	-	-	-
OTHER	1,170,900	56,201	-	-	-	-
HAKE.	158,400	1,108	-	-	-	-
HERRING, SEA.	-	-	103,600	$9,511	-	-
LINGCOD	4,720,400	236,419	-	-	-	-
OCEAN PERCH	7,860,000	392,998	-	-	-	-
PERCH	4,500	558	-	-	-	-
RATFISH	1,130,400	7,913	-	-	-	-
ROCKFISHES.	6,579,700	269,975	-	-	-	-
SABLEFISH	726,200	51,567	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	115,700	$40,496
CHUM OR KETA.	-	-	-	-	2,100	383
PINK.	-	-	-	-	205,300	33,256
RED OR SOCKEYE.	-	-	-	-	1,400	455
SILVER OR COHO.	-	-	-	-	117,400	32,860
SHAD.	100	5	-	-	-	-
SHARKS, GRAYFISH 3/	767,700	3,838	-	-	-	-
SKATES.	499,600	2,498	-	-	-	-
STURGEON.	23,300	3,502	-	-	-	-
TOMCOD.	58,100	1,163	-	-	-	-
OCTOPUS	10,900	1,089	-	-	-	-
SQUID	400	49	-	-	-	-
TOTAL	41,910,200	2,130,395	103,600	9,511	441,900	107,450

SPECIES	POTS		GILL NETS			
			ANCHOR, SET OR STAKE			
			SALMON 2/		SHARK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	7,700	$377
LINGCOD	-	-	-	-	6,600	331
ROCKFISHES.	-	-	-	-	4,100	160
SALMON:						
CHINOOK OR KING	-	-	363,700	$127,302	-	-
CHUM OR KETA.	-	-	403,200	72,567	-	-
PINK.	-	-	397,600	64,404	-	-
RED OR SOCKEYE.	-	-	3,500	1,143	-	-
SILVER OR COHO.	-	-	515,300	144,274	-	-
STEELHEAD TROUT	-	-	64,200	17,972	-	-
STURGEON.	-	-	100	15	-	-
CRABS, DUNGENESS 4/	1,638,400	$222,827	-	-	-	-
SHRIMP, BAY	18,600	9,071	-	-	-	-
OCTOPUS	13,700	2,185	-	-	-	-
TOTAL	1,670,700	234,083	1,747,600	427,677	18,400	868

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

PUGET SOUND DISTRICT OF WASHINGTON

CATCH BY GEAR, 1961 - Continued

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT		HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	300	$15
HALIBUT	-	-	33,300	$4,756	303,600	43,378
LINGCOD	600	$30	34,700	3,946	787,600	38,853
ROCKFISHES.	-	-	10,700	373	53,100	1,600
SALMON:						
CHINOOK OR KING	547,400	207,995	-	-	1,059,300	507,019
CHUM OR KETA.	426,200	95,895	-	-	400	88
PINK.	749,500	127,412	-	-	342,700	85,678
RED OR SOCKEYE.	2,823,000	920,314	-	-	6,200	2,380
SILVER OR COHO.	1,519,600	455,876	-	-	1,764,100	542,785
SHARKS, GRAYFISH 3/	22,400	112	-	-	-	-
STURGEON.	100	15	-	-	-	-
TUNA, ALBACORE.	-	-	-	-	133,500	24,968
OCTOPUS	-	-	200	20	-	-
TOTAL	6,088,800	1,807,649	78,900	9,095	4,450,800	1,246,764

SPECIES	LINES - CONTINUED		DIP NETS		REEF NETS	
	LONG OR SET					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, "SOLE"	600	$53	-	-	-	-
HALIBUT	18,948,100	3,388,414	-	-	-	-
HERRING, SEA.	-	-	107,500	$26,875	-	-
LINGCOD	37,100	1,298	-	-	-	-
ROCKFISHES.	80,200	2,803	-	-	-	-
SABLEFISH	2,441,000	344,596	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	22,700	$5,665
CHUM OR KETA.	-	-	-	-	20,300	4,466
PINK.	-	-	-	-	191,500	31,027
RED OR SOCKEYE.	-	-	-	-	472,600	154,076
SILVER OR COHO.	-	-	-	-	78,300	21,930
SHARKS, SOUPFIN 3/.	1,300	88	-	-	-	-
TOTAL	21,508,300	3,737,252	107,500	26,875	785,400	217,164

SPECIES	DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD: 5/				
BUTTER.	30,000	$7,693	42,200	$10,799
LITTLENECK.	33,000	15,161	215,000	98,878
MANILA.	-	-	72,900	31,206
OYSTERS, MARKET: 6/				
PACIFIC	2,957,900	536,110	-	-
WESTERN	38,100	95,175	-	-
TOTAL	3,059,000	654,139	330,100	140,883

1/ THE SALMON CAUGHT BY HAUL SEINES WERE TAKEN ON INDIAN RESERVATIONS.

2/ FISHED ONLY ON INDIAN RESERVATIONS.

3/ THE POUNDAGE SHOWN INCLUDES THE TOTAL VOLUME OF SHARKS CAUGHT. SOME OF THE CARCASSES WERE DISCARDED AT SEA.

4/ BASED ON AN AVERAGE OF 22 POUNDS PER DOZEN.

5/ BASED ON A YIELD OF 25 PERCENT MEATS.

6/ BASED ON A YIELD OF 10 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

7/ BASED ON A YIELD OF 17 PERCENT MEATS.

NOTE:--THE POUNDAGE AND VALUE OF THE CATCH SHOWN ABOVE INCLUDE THE FOLLOWING ITEMS: HALIBUT LIVERS, 3,779 POUNDS, VALUE $869; LINGCOD LIVERS, 2,400 POUNDS, VALUE $470, AND SOUPFIN SHARK LIVERS, 155 POUNDS, VALUE $88.

COASTAL DISTRICT OF WASHINGTON - OPERATING UNITS, 1961

ITEM	HAUL SEINES	OTTER TRAWLS	
		FISH	SHRIMP
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	3	17	25
ON BOATS AND SHORE	38	-	-
TOTAL	41	17	25
VESSELS, MOTOR	1	5	8
GROSS TONNAGE	7	224	333
BOATS:			
MOTOR	12	-	-
OTHER	2	-	-
GEAR:			
NUMBER	13	5	8
LENGTH, YARDS	1,350	-	-
YARDS AT MOUTH	-	112	152

ITEM	POTS, CRAB	GILL NETS	
		ANCHOR, SET OR STAKE 1/	DRIFT
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	152	-	12
ON BOATS AND SHORE	35	220	270
TOTAL	187	220	282
VESSELS, MOTOR	59	-	10
GROSS TONNAGE	1,226	-	92
BOATS:			
MOTOR	19	184	256
OTHER	-	30	10
GEAR:			
NUMBER	16,565	214	276
SQUARE YARDS	-	48,150	556,400

ITEM	LINES			DIP NETS 2/
	HAND	TROLL		
		SALMON	ALBACORE	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	495	98	-
ON BOATS AND SHORE	6	203	-	5
TOTAL	6	698	98	5
VESSELS, MOTOR	-	312	52	-
GROSS TONNAGE	-	4,731	1,039	-
BOATS:				
MOTOR	1	169	-	2
OTHER	2	-	-	-
GEAR:				
NUMBER	12	2,384	453	5
HOOKS	24	10,050	453	-

ITEM	DREDGES, OYSTER	SHOVELS, CLAM	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	57	-	-	695
ON BOATS AND SHORE	12	1,069	180	2,011
TOTAL	69	1,069	180	2,706
VESSELS, MOTOR	20	-	-	385
GROSS TONNAGE	419	-	-	6,363
BOATS:				
MOTOR	6	-	44	679
OTHER	-	-	65	109
GEAR:				
NUMBER	52	1,069	-	-
YARDS AT MOUTH	104	-	-	-

1/ OPERATED ON INDIAN RESERVATIONS.

2/ INCLUDES 2 DIP NETS OPERATED ON INDIAN RESERVATIONS.

COASTAL DISTRICT OF WASHINGTON - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	4,100	$205	-	-
FLOUNDERS:						
"SOLE"	-	-	44,000	3,448	-	-
OTHER	-	-	3,300	158	-	-
LINGCOD	-	-	24,900	1,245	-	-
OCEAN PERCH	-	-	10,900	437	-	-
PERCH	13,000	$730	-	-	-	-
ROCKFISHES	-	-	197,800	7,584	-	-
SABLEFISH	-	-	13,700	980	-	-
SMELT, SURF OR SILVER	157,000	12,600	-	-	-	-
CRABS, DUNGENESS 2/	-	-	-	-	5,123,600	$798,665
SHRIMP, OCEAN	-	-	1,436,700	118,799	-	-
OCTOPUS	-	-	100	10	-	-
TOTAL	170,000	13,330	1,735,500	132,866	5,123,600	798,665

SPECIES	GILL NETS				LINES			
	ANCHOR, SET OR STAKE 1/		DRIFT		HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	-	-	79,800	$10,025
LINGCOD	-	-	900	$45	-	-	193,900	7,945
PERCH	-	-	-	-	1,900	$117	-	-
ROCKFISHES	-	-	100	3	-	-	139,900	4,476
SALMON:								
CHINOOK OR KING	195,200	$74,169	302,500	108,710	-	-	1,310,800	638,578
CHUM OR KETA	59,500	10,714	400,300	71,987	-	-	200	45
PINK	100	16	-	-	-	-	105,900	20,827
RED OR SOCKEYE	152,600	78,289	-	-	-	-	200	72
SILVER OR COHO	472,600	141,791	538,700	159,352	-	-	1,552,600	477,690
SHAD	1,600	80	-	-	-	-	-	-
STEELHEAD TROUT 1/	122,900	34,421	-	-	-	-	-	-
STURGEON	-	-	172,100	18,301	-	-	-	-
TUNA, ALBACORE	-	-	-	-	-	-	295,900	54,745
TOTAL	1,004,500	339,480	1,414,600	358,398	1,900	117	3,679,200	1,214,403

SPECIES	DIP NETS		DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SMELT:						
EULACHON	1,100	$108	-	-	-	-
SURF OR SILVER	34,800	2,784	-	-	-	-
CLAMS:						
MANILA 3/	-	-	-	-	8,200	$3,528
RAZOR 4/	-	-	-	-	281,100	132,526
OYSTERS, MARKET, PACIFIC 5/	-	-	5,661,600	$1,021,058	-	-
TOTAL	35,900	2,892	5,661,600	1,021,058	289,300	136,054

1/ FISHED ONLY ON INDIAN RESERVATIONS.
2/ BASED ON AN AVERAGE OF 24 POUNDS PER DOZEN.
3/ BASED ON A YIELD OF 25 PERCENT MEATS.
4/ BASED ON A YIELD OF 42 PERCENT EDIBLE MEATS.
5/ BASED ON A YIELD OF 12 PERCENT MEATS.

COLUMBIA RIVER DISTRICT OF WASHINGTON

OPERATING UNITS, 1961

ITEM	HAUL SEINES	POUND NETS 1/	POTS	
			CRAB	CRAWFISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	30	-
ON BOATS AND SHORE	18	12	6	2
TOTAL	18	12	36	2
VESSELS, MOTOR	-	-	12	-
GROSS TONNAGE	-	-	201	-
BOATS:				
MOTOR	7	3	3	2
OTHER	2	-	-	-
GEAR:				
NUMBER	9	3	1,950	75
LENGTH, YARDS	900	-	-	-

ITEM	GILL NETS			LINES
	ANCHOR, SET OR STAKE 2/	DRIFT		TROLL
		SALMON	SMELT	SALMON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	-	88
ON BOATS AND SHORE	9	171	2	135
TOTAL	9	171	2	223
VESSELS, MOTOR	-	-	-	61
GROSS TONNAGE	-	-	-	725
BOATS, MOTOR	8	162	2	118
GEAR:				
NUMBER	8	162	2	786
SQUARE YARDS	2,000	494,100	1,800	-
HOOKS	-	-	-	3,010

ITEM	LINES - CONTINUED		DIP NETS 3/	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL - CONTINUED	LONG OR SET		
	ALBACORE			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	8	-	-	111
ON BOATS AND SHORE	-	1	204	510
TOTAL	8	1	204	621
VESSELS, MOTOR	4	-	-	69
GROSS TONNAGE	101	-	-	860
BOATS:				
MOTOR	-	1	40	299
OTHER	-	-	2	2
GEAR:				
NUMBER	36	3	204	-
HOOKS	36	300	-	-

1/ OPERATED BY FEDERAL FISH HATCHERY.
2/ OPERATED ON INDIAN RESERVATIONS.
3/ INCLUDES 76 DIP NETS OPERATED BY INDIANS.

COLUMBIA RIVER DISTRICT OF WASHINGTON
CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		POUND NETS 1/	
	POUNDS	VALUE	POUNDS	VALUE
CARP	797,800	$9,574	-	-
SALMON:				
CHINOOK OR KING	-	-	35,300	$3,534
SILVER OR COHO	-	-	300	34
SUCKERS	27,600	386	-	-
TOTAL	825,400	9,960	35, 00	3,568

SPECIES	POTS		GILL NETS ANCHOR, SET OR STAKE 2/	
	POUNDS	VALUE	POUNDS	VALUE
SALMON:				
CHINOOK OR KING	-	-	1,300	$465
RED OR SOCKEYE	-	-	600	240
CRABS, DUNGENESS 3/	346,500	$53,359	-	-
CRAWFISH, FRESH-WATER	2,200	497	-	-
TOTAL	348, 00	53,856	1,900	05

	GILL NETS - CONTINUED DRIFT		LINES TROLL	
	POUNDS	VALUE	POUNDS	VALUE
CARP	200	$2	-	-
FLOUNDERS	13,500	311	-	-
HALIBUT	-	-	5,300	$594
LINGCOD	-	-	13,600	429
ROCKFISHES	100	2	89,100	1,872
SALMON:				
CHINOOK OR KING	1,246,700	461,290	174,600	84,296
CHUM OR KETA	5,400	881	-	-
PINK	-	-	100	19
RED OR SOCKEYE	51,500	20,609	-	-
SILVER OR COHO	105,300	28,440	862,400	257,974
SHAD	165,600	14,822	-	-
SMELT, EULACHON	96,800	13,553	-	-
STEELHEAD TROUT	175,800	45,716	200	52
STURGEON	134,300	20,739	-	-
TUNA, ALBACORE	-	-	27,000	4,729
TOTAL	1,995,200	606,365	1,172,300	349,965

SPECIES	LINES - CONTINUED LONG OR SET		DIP NETS	
	POUNDS	VALUE	POUNDS	VALUE
SALMON:				
CHINOOK OR KING	-	-	103,300	$36,165
RED OR SOCKEYE	-	-	300	117
SILVER OR COHO	-	-	6,900	1,735
SMELT, EULACHON	-	-	774,300	104,040
STEELHEAD TROUT	-	-	4,600	1,190
STURGEON	400	$92	-	-
TOTAL	400	92	[illegible]	[illegible]

1/ OPERATED BY FEDERAL FISH HATCHERY. CATCH REPRESENTS SPAWNED SALMON SOLD TO CANNERIES.
2/ FISHED ONLY ON INDIAN RESERVATIONS.
3/ BASED ON AN AVERAGE OF 24 POUNDS PER DOZEN.

PACIFIC COAST FISHERIES

OREGON

CATCH BY DISTRICTS, 1961

SPECIES	COLUMBIA RIVER		COASTAL	
	POUNDS	VALUE	POUNDS	VALUE
COD	101,400	$4,564	2,700	$108
FLOUNDERS:				
"SOLE"	7,660,000	439,939	5,200,600	254,422
OTHER	479,800	17,024	121,700	4,870
HAKE	9,000	22	49,000	1,225
HALIBUT	196,600	31,732	244,200	40,448
HERRING, SEA	-	-	18,300	4,500
LINGCOD	488,000	22,051	250,000	10,377
OCEAN PERCH	2,630,700	118,384	1,941,800	82,139
PERCH	-	-	3,600	285
ROCKFISHES	3,553,100	140,747	3,319,300	118,676
SABLEFISH	128,200	11,328	439,600	39,019
SALMON:				
CHINOOK OR KING	3,000,700	1,109,101	1,309,000	658,209
CHUM OR KETA	12,000	1,917	16,900	2,371
PINK	100	22	100	21
RED OR SOCKEYE	106,200	42,468	-	-
SILVER OR COHO	710,600	206,642	1,892,500	557,766
TOTAL SALMON	3,829,600	1,360,150	3,218,500	1,218,367
SEA BASS, WHITE	800	32	-	-
SHAD	240,700	24,066	519,100	77,862
SHARKS:				
GRAYFISH	50,300	377	-	-
SOUPFIN	200	2	-	-
SKATES	178,600	4,470	153,100	3,767
SMELT:				
EULACHON	181,400	27,205	-	-
SILVER	-	-	2,200	219
STEELHEAD TROUT	535,000	136,415	7,800	1,931
STRIPED BASS	-	-	32,900	3,619
STURGEON	206,000	30,258	1,600	131
TUNA, ALBACORE	1,470,600	279,427	1,780,600	311,602
TOTAL FISH	21,940,000	2,648,193	17,306,600	2,173,567
SHELLFISH				
CRABS, DUNGENESS 1/	1,412,000	218,868	7,876,300	1,260,212
CRAWFISH, FRESH-WATER	21,000	6,100	-	-
SHRIMP, OCEAN	772,200	63,300	692,200	55,373
CLAMS:				
RAZOR 2/	-	-	16,100	7,700
MIXED 3/	-	-	9,800	5,610
TOTAL	-	-	25,900	13,310
OCTOPUS	100	8	100	8
OYSTERS, MARKET, PACIFIC 4/	-	-	328,500	72,268
TOTAL SHELLFISH	2,205,300	288,276	8,923,000	1,401,171
WHALE PRODUCTS:				
MEAL	34,000	1,716	-	-
MEAT	65,800	4,274	-	-
OIL: 5/				
SPERM	30,700	2,607	-	-
WHALE	8,800	529	-	-
SOLUBLES	28,000	552	-	-
TOTAL WHALE PRODUCTS	167,300	9,678	-	-
GRAND TOTAL	24,312,600	2,946,147	26,229,600	3,574,738

1/ BASED ON AN AVERAGE OF 25 POUNDS PER DOZEN.
2/ BASED ON A YIELD OF 42 PERCENT MEATS.
3/ PRINCIPALLY EASTERN SOFT CLAMS. BASED ON A YIELD OF 21 PERCENT MEATS.
4/ BASED ON A YIELD OF 12 PERCENT MEATS.
5/ CONVERTED TO POUNDS ON THE BASIS OF 7.5 POUNDS PER GALLON.

COLUMBIA RIVER DISTRICT OF OREGON - OPERATING UNITS, 1961

ITEM	OTTER TRAWLS		POTS
	FISH	SHRIMP	CRAB
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	110	22	61
ON BOATS AND SHORE.	-	-	32
TOTAL	110	22	93
VESSELS, MOTOR.	31	[illegible]	27
GROSS TONNAGE	1,558	324	419
BOATS, MOTOR.	-	-	18
GEAR:			
NUMBER.	31	6	7,900
YARDS AT MOUTH.	698	114	-

ITEM	POTS - CONTINUED	GILL NETS, DRIFT	
	CRAWFISH	SALMON	SMELT
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE	16	71	75
TOTAL	16	1	75
BOATS:			
MOTOR	13	610	75
OTHER	1	-	-
GEAR:			
NUMBER.	500	610	75
SQUARE YARDS.	-	1,860,500	7,500

ITEM	LINES		
	TROLL		LONG OR SET
	SALMON	ALBACORE	HALIBUT
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	101	206	6
ON BOATS AND SHORE.	56	4	-
TOTAL	157	210	6
VESSELS, MOTOR.	43	88	2
GROSS TONNAGE	949	3,111	52
BOATS, MOTOR.	47	3	-
GEAR:			
NUMBER.	538	870	38
HOOKS	2,300	870	3,600

ITEM	LINES - CONTINUED	DIP NETS 1/	HARPOONS	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET-CONTINUED			
	STURGEON			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	-	4	424
ON BOATS AND SHORE.	7	24	-	786
TOTAL	7	24	4	1,210
VESSELS, MOTOR.	-	-	1	[illegible]
GROSS TONNAGE	-	-	[illegible]	[illegible]
BOATS:				
MOTOR	[illegible]	-	-	[illegible]
OTHER	1	-	-	[illegible]
GEAR:				
NUMBER.	7	24	1	-
HOOKS	[illegible]	-	-	-

1/ INCLUDES 20 DIP NETS OPERATED BY INDIANS.

COLUMBIA RIVER DISTRICT OF OREGON - CATCH BY GEAR, 1961

SPECIES	OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE
COD	101,400	$4,564	-	-
FLOUNDERS:				
"SOLE"	7,660,000	439,939	-	-
OTHER	281,200	12,654	-	-
HAKE	9,000	22	-	-
LINGCOD	479,200	21,564	-	-
OCEAN PERCH	2,630,700	118,384	-	-
ROCKFISHES	3,530,500	139,872	-	-
SABLEFISH	98,500	7,402	-	-
SHARKS:				
GRAYFISH	50,300	377	-	-
SOUPFIN	200	2	-	-
SKATES	178,600	4,470	-	-
STURGEON	38,300	2,591	-	-
CRABS, DUNGENESS	-	-	1,412,000	$218,868
CRAWFISH, FRESH-WATER	-	-	21,000	6,100
SHRIMP, OCEAN	772,200	63,300	-	-
OCTOPUS	100	8	-	-
TOTAL	15,830,200	815,149	1,433,000	224,968

SPECIES	GILL NETS, DRIFT		LINES			
			TROLL		LONG OR SET	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, OTHER	198,600	$4,370	-	-	-	-
HALIBUT	-	-	7,200	$838	189,400	$30,894
LINGCOD	-	-	6,900	399	1,900	88
ROCKFISHES	-	-	16,800	674	5,800	201
SABLEFISH	-	-	-	-	29,700	3,926
SALMON:						
CHINOOK OR KING	2,797,600	1,035,120	114,600	56,272	-	-
CHUM OR KETA	11,600	1,857	-	-	-	-
PINK	-	-	100	22	-	-
RED OR SOCKEYE	106,200	42,468	-	-	-	-
SILVER OR COHO	275,100	74,275	434,900	132,199	-	-
SEA BASS, WHITE	-	-	800	32	-	-
SHAD	240,700	24,066	-	-	-	-
SMELT, EULACHON	181,400	27,205	-	-	-	-
STEELHEAD TROUT	524,000	133,624	800	240	-	-
STURGEON	154,900	24,625	-	-	9,400	2,353
TUNA, ALBACORE	-	-	1,470,600	279,427	-	-
TOTAL	4,490,100	1,367,611	2,052,700	470,103	236,200	37,462

SPECIES	DIP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE
SALMON:				
CHINOOK OR KING	88,500	$17,709	-	-
CHUM OR KETA	400	60	-	-
SILVER OR COHO	600	168	-	-
STEELHEAD TROUT	10,200	2,551	-	-
STURGEON	3,400	688	-	-
WHALE PRODUCTS:				
MEAL	-	-	34,000	$1,716
MEAT	-	-	65,800	4,274
OIL:				
SPERM	-	-	30,700	2,607
WHALE	-	-	8,800	529
SOLUBLES	-	-	28,000	552
TOTAL	103,100	21,176	167,300	9,678

NOTE:--THE FOLLOWING SPECIES LANDED IN THE COLUMBIA RIVER DISTRICT WERE CAUGHT OFF THE COAST: COD, "SOLE", HAKE, HALIBUT, LINGCOD, OCEAN PERCH, ROCKFISHES, SABLEFISH, SEA BASS, SHARKS, SKATES, TUNA, CRAB, SHRIMP, OCTOPUS, WHALES, THE OTTER TRAWL CATCH OF FLOUNDERS AND STURGEON, AND MOST OF THE TROLL CATCH OF SALMON.

COASTAL DISTRICT OF OREGON - OPERATING UNITS, 1961

ITEM	HAUL SEINES	OTTER TRAWLS	
		FISH	SHRIMP
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	-	88	15
ON BOATS AND SHORE.	8	-	-
TOTAL	8	88	15
VESSELS, MOTOR.	-	26	5
GROSS TONNAGE	-	1,309	150
BOATS:			
MOTOR	3	-	-
OTHER	2	-	-
GEAR:			
NUMBER.	3	26	5
LENGTH, YARDS	300	-	-
YARDS AT MOUTH.	-	579	89

ITEM	POTS, CRAB	GILL NETS, SALMON	
		ANCHOR, SET OR STAKE	DRIFT
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	263	-	-
ON BOATS AND SHORE.	82	44	70
TOTAL	345	44	70
VESSELS, MOTOR.	115	-	-
GROSS TONNAGE	2,319	-	-
BOATS:			
MOTOR	60	40	66
OTHER	-	1	-
GEAR:			
NUMBER.	26,000	118	66
SQUARE YARDS.	-	47,200	132,000

ITEM	LINES		
	TROLL		LONG OR SET
	SALMON	ALBACORE	
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	562	315	25
ON BOATS AND SHORE.	375	13	-
TOTAL	937	328	25
VESSELS, MOTOR.	328	148	6
GROSS TONNAGE	4,969	3,933	151
BOATS, MOTOR.	312	10	-
GEAR:			
NUMBER.	3,068	1,410	140
HOOKS	13,160	1,410	11,548

ITEM	DREDGES, OYSTER, COMMON	SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	5	-	-	929
ON BOATS AND SHORE.	2	194	26	679
TOTAL	7	194	26	1,608
VESSELS, MOTOR.	2	-	-	465
GROSS TONNAGE	26	-	-	9,625
BOATS:				
MOTOR	1	-	-	415
OTHER	-	-	-	3
GEAR:				
NUMBER.	6	194	26	-
YARDS AT MOUTH.	12	-	-	-

COASTAL DISTRICT OF OREGON - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	2,700	$108
FLOUNDERS:				
"SOLE"	-	-	5,198,700	254,247
OTHER	-	-	121,700	4,870
HAKE	-	-	49,000	1,225
HERRING, SEA	-	-	18,300	4,500
LINGCOD	-	-	166,700	6,843
OCEAN PERCH	-	-	1,941,800	82,139
PERCH	3,600	$285	-	-
ROCKFISHES	-	-	3,270,100	116,555
SABLEFISH	-	-	144,200	10,100
SKATES	-	-	153,100	3,767
SMELT, SURF OR SILVER	2,200	219	-	-
STURGEON	-	-	1,500	119
SHRIMP, OCEAN	-	-	692,200	55,373
OCTOPUS	-	-	100	8
TOTAL	5,800	504	11,760,100	539,854

SPECIES	POTS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE
SALMON:				
CHINOOK OR KING	-	-	9,800	$3,435
CHUM OR KETA	-	-	16,900	2,371
SILVER OR COHO	-	-	11,900	2,978
SHAD	-	-	519,100	77,862
STEELHEAD TROUT	-	-	5,500	1,325
STRIPED BASS	-	-	32,900	3,619
STURGEON	-	-	100	12
CRABS, DUNGENESS	7,876,300	$1,260,212	-	-
TOTAL	7,876,300	1,260,212	596,200	91,602

SPECIES	LINES			
	TROLL		LONG OR SET	
	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, "SOLE"	400	$33	1,500	$142
HALIBUT	19,600	2,287	224,600	38,161
LINGCOD	74,800	3,102	8,500	432
ROCKFISHES	17,000	681	32,200	1,440
SABLEFISH	-	-	295,400	28,919
SALMON:				
CHINOOK OR KING	1,299,200	654,774	-	-
PINK	100	21	-	-
SILVER OR COHO	1,880,600	554,788	-	-
STEELHEAD TROUT	2,300	606	-	-
TUNA, ALBACORE	1,780,600	311,602	-	-
TOTAL	5,074,600	1,527,894	562,200	69,094

SPECIES	DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS:				
RAZOR	-	-	16,100	$7,700
MIXED	-	-	9,800	5,610
OYSTERS, MARKET, PACIFIC	328,500	$72,268	-	-
TOTAL	328,500	72,268	25,900	13,310

PACIFIC COAST FISHERIES

CALIFORNIA

CATCH BY DISTRICTS, 1961

SPECIES	NORTHERN		SAN FRANCISCO		MONTEREY	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	229,600	$3,743	3,787,500	$54,139
CABEZONE	-	-	200	8	3,800	215
CARP	-	-	338,600	15,300	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT	50,200	$2,424	10,400	386	100	4
CALIFORNIA HALIBUT	200	43	50,100	10,000	10,000	2,451
SAND DABS	103,500	8,191	346,600	22,152	112,000	7,367
"SOLE":						
DOVER	6,279,300	375,200	1,405,000	73,225	59,600	2,947
ENGLISH	1,498,600	110,988	1,304,000	94,715	206,700	15,154
PETRALE	1,606,400	183,331	816,200	96,867	111,400	13,309
REX	604,300	42,042	414,600	26,964	70,500	3,601
SAND	8,700	921	65,700	6,673	200	29
UNCLASSIFIED	400	22	3,000	184	11,000	1,035
OTHER	202,600	9,953	88,500	4,598	18,800	1,886
HAKE	-	-	3,200	52	-	-
HALIBUT	3,900	966	-	-	-	-
HARDHEAD	-	-	99,300	19,900	-	-
HERRING, SEA	100	7	1,039,900	8,639	352,800	22,089
KING CROAKER	-	-	4,100	219	238,100	12,310
LINGCOD	762,600	52,739	445,200	28,836	148,500	14,054
MACKEREL:						
JACK	-	-	20,800	1,094	3,651,000	84,928
PACIFIC	-	-	-	-	10,400	268
PERCH	61,000	8,692	23,400	3,902	13,000	1,646
POMPANO	-	-	-	-	1,300	774
ROCKFISHES	2,117,400	90,296	2,221,800	106,965	3,228,000	167,696
SABLEFISH	579,900	45,569	672,600	20,634	350,400	18,504
SALMON:						
CHINOOK OR KING	3,660,300	1,972,063	3,641,900	2,091,704	652,100	363,431
SILVER OR COHO	474,600	166,110	59,800	20,930	2,500	1,000
TOTAL SALMON	4,134,900	2,138,173	3,701,700	2,112,634	654,600	364,431
SARDINE, PACIFIC	-	-	-	-	1,109,600	33,816
SEA BASS, WHITE	-	-	30,900	9,147	13,400	3,688
SHARKS, UNCLASSIFIED	1,100	64	130,200	4,955	39,000	2,210
SKATES	200,100	1,013	130,200	1,527	64,900	908
SMELT	296,900	15,151	58,200	5,706	33,500	1,989
SPLITTAIL	-	-	700	258	-	-
SWORDFISH	-	-	-	-	500	180
TUNA, ALBACORE	1,440,200	234,386	3,432,300	615,608	1,871,800	302,569
TURBOT	7,600	753	60,900	3,515	-	-
WHITEBAIT	307,200	21,361	16,000	1,930	12,600	1,945
UNCLASSIFIED:						
FOR FOOD	-	-	100	9	200	6
BAIT AND ANIMAL FOOD	2,760,900	55,218	187,200	3,233	9,700	154
TOTAL FISH	23,028,000	3,397,503	17,351,200	3,303,578	16,194,900	1,136,302
SHELLFISH						
CRABS:						
DUNGENESS	10,573,700	1,699,057	1,065,500	262,975	16,000	4,628
ROCK	100	5	-	-	-	-
TOTAL CRABS	10,573,800	1,699,062	1,065,500	262,975	16,000	4,628
SHRIMP:						
BAY	-	-	2,100	267	-	-
OCEAN	2,002,700	190,113	-	-	-	-
TOTAL SHRIMP	2,002,700	190,113	2,100	267	-	-
ABALONE 1/	-	-	4,800	4,390	100	128
CLAMS, HARD 2/	500	280	-	-	100	22
OCTOPUS	400	8	2,400	93	100	8
OYSTERS, MARKET:						
EASTERN 3/	-	-	14,800	5,110	-	-
PACIFIC 4/	1,008,800	210,166	63,800	58,150	-	-
TOTAL OYSTERS	1,008,800	210,166	78,600	63,260	-	-
SQUID	-	-	-	-	3,686,300	129,100
TOTAL SHELLFISH	13,586,200	2,099,629	1,153,400	330,985	3,702,600	133,886
WHALE PRODUCTS:						
MEAL	-	-	3,282,000	201,380	-	-
MEAT	-	-	4,943,800	396,631	-	-
OIL:						
SPERM	-	-	665,500	60,509	-	-
WHALE	-	-	2,765,400	178,694	-	-
TOTAL WHALE PRODUCTS	-	-	11,656,700	837,214	-	-
GRAND TOTAL	36,614,200	5,497,132	30,161,300	4,471,777	19,897,500	1,270,188

SEE FOOTNOTES AT END OF TABLE.

CALIFORNIA - CATCH BY DISTRICTS, 1961 - Continued

SPECIES	SANTA BARBARA		SAN PEDRO		SAN DIEGO	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	54,100	$1,944	3,640,400	$50,237	-	-
BARRACUDA	154,400	23,775	519,200	78,306	35,800	$4,663
BONITO	21,600	596	8,448,400	215,564	43,000	2,277
CABEZONE	1,000	62	-	-	-	-
CABRILLA	-	-	11,000	1,750	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	191,700	42,978	127,800	33,116	274,800	62,118
SAND DABS	600	34	300	64	-	-
"SOLE":						
DOVER	82,700	4,965	-	-	-	-
ENGLISH	636,600	39,818	-	-	-	-
PETRALE	856,700	95,578	-	-	-	-
REX	119,600	7,250	-	-	-	-
SAND	2,400	265	-	-	-	-
UNCLASSIFIED	7,900	481	1,700	135	10,400	2,487
OTHER	5,400	453	-	-	-	-
FLYING FISH	-	-	32,800	3,939	-	-
GROUPERS	-	-	190,000	41,056	12,300	1,883
HALFMOON	-	-	5,900	1,478	-	-
HERRING, SEA	-	-	8,500	425	-	-
KING CROAKER	1,000	78	643,500	25,709	2,500	248
LINGCOD	83,500	7,868	100	15	100	5
MACKEREL:						
JACK	14,794,800	280,591	79,139,700	1,658,422	-	-
PACIFIC	2,477,700	49,843	41,544,600	902,973	77,500	2,903
OPALEYE	-	-	2,300	352	-	-
PERCH	17,200	3,841	3,700	729	100	10
POMPANO	-	-	10,200	2,166	-	-
ROCK BASS	-	-	1,400	260	1,200	252
ROCKFISHES	2,321,000	108,638	584,300	73,734	358,300	39,481
SABLEFISH	12,600	779	900	116	1,600	196
SALMON:						
CHINOOK OR KING	133,400	76,201	13,200	6,568	-	-
SILVER OR COHO	100	50	-	-	-	-
TOTAL SALMON	133,500	76,251	13,200	6,568	-	-
SARDINE, PACIFIC	8,582,300	242,553	33,429,500	866,671	47,600	3,444
SCULPIN	100	29	7,800	2,659	18,700	4,765
SEA BASS:						
BLACK	2,200	288	308,800	51,209	29,400	4,743
WHITE	101,500	31,204	347,200	115,574	201,200	56,977
SHARKS, UNCLASSIFIED	98,600	8,323	270,400	34,731	84,600	9,282
SHEEPSHEAD	1,100	54	3,900	268	7,700	611
SIERRA	-	-	600	19	100	17
SKATES	2,600	129	300	33	-	-
SMELT	1,000	83	101,700	2,583	-	-
SWORDFISH	63,400	26,702	259,300	115,671	45,700	19,670
TUNA:						
ALBACORE	683,800	108,883	11,993,600	2,171,472	9,701,600	1,754,668
BLUEFIN	-	-	20,419,400	2,646,119	463,300	58,694
SKIPJACK	-	-	49,164,400	5,430,712	16,238,400	1,787,977
YELLOWFIN	-	-	164,034,500	20,823,905	27,819,500	3,614,862
TOTAL TUNA	683,800	108,883	245,611,900	31,072,208	54,222,800	7,216,201
TURBOT	2,900	147	-	-	-	-
WAHOO	-	-	9,300	3,249	-	-
YELLOWTAIL	7,800	547	300,700	21,186	72,300	6,006
UNCLASSIFIED:						
FOR FOOD	1,100	74	18,300	1,184	8,000	616
BAIT AND ANIMAL FOOD	819,300	16,387	-	-	-	-
TOTAL FISH	32,343,700	1,181,491	415,599,600	35,384,359	55,555,700	7,438,855
SHELLFISH						
CRABS:						
DUNGENESS	56,000	14,131	-	-	-	-
ROCK	77,400	4,170	73,100	7,924	1,100	32
TOTAL CRABS	133,400	18,301	73,100	7,924	1,100	32
LOBSTERS, SPINY	78,600	51,316	203,500	142,930	136,600	89,472
ABALONE 1/	629,100	462,321	200,500	104,068	76,200	35,992
CLAMS, HARD 2/	-	-	-	-	1,400	2,480
OCTOPUS	-	-	100	32	-	-
OYSTERS, MARKET, PACIFIC 4/	133,100	22,187	-	-	-	-
SQUID	2,571,100	34,197	4,026,600	67,858	1,900	74
TOTAL SHELLFISH	3,545,300	588,322	4,503,800	322,812	217,200	128,050
GRAND TOTAL	35,889,000	1,769,813	420,103,400	35,707,171	55,772,900	7,566,905

1/ BASED ON YIELDS OF 20 PERCENT MEATS. 2/ BASED ON YIELDS OF 24 PERCENT MEATS. 3/ BASED ON YIELDS OF 14 PERCENT MEATS. 4/ BASED ON YIELDS OF 12 PERCENT MEATS.

CALIFORNIA - CATCH BY WATERS, 1961

SPECIES	OFF UNITED STATES		OFF LATIN AMERICA	
	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	7,711,600	$110,063	-	-
BARRACUDA	478,400	71,951	231,000	$34,793
BONITO	8,439,400	216,470	73,600	1,967
CABEZONE	5,000	285	-	-
CABRILLA	-	-	11,000	1,750
CARP	338,600	15,300	-	-
FLOUNDERS:				
ARROWTOOTH HALIBUT	60,700	2,814	-	-
CALIFORNIA HALIBUT	545,500	125,574	109,100	25,132
SAND DABS	563,000	37,808	-	-
"SOLE":				
DOVER	7,826,600	456,337	-	-
ENGLISH	3,645,900	260,675	-	-
PETRALE	3,390,700	389,085	-	-
REX	1,209,000	79,857	-	-
SAND	77,000	7,888	-	-
UNCLASSIFIED	34,400	4,344	-	-
OTHER	315,300	16,890	-	-
FLYING FISH	32,800	3,939	-	-
GROUPERS	-	-	202,300	42,939
HAKE	3,200	52	-	-
HALFMOON	5,900	1,478	-	-
HALIBUT	3,900	966	-	-
HARDHEAD	99,300	19,900	-	-
HERRING, SEA	1,401,300	31,160	-	-
KING CROAKER	889,200	38,564	-	-
LINGCOD	1,440,000	103,517	-	-
MACKEREL:				
JACK	97,606,300	2,025,035	-	-
PACIFIC	44,110,200	955,987	-	-
OPALEYE	2,300	352	-	-
PERCH	118,400	18,820	-	-
POMPANO	11,300	2,888	200	52
ROCK BASS	-	-	2,600	512
ROCKFISHES	10,491,100	568,300	339,700	18,510
SABLEFISH	1,617,900	85,748	100	50
SALMON:				
CHINOOK OR KING	8,100,900	4,509,967	-	-
SILVER OR COHO	537,000	188,090	-	-
SARDINE, PACIFIC	43,169,000	1,146,484	-	-
SCULPIN	26,600	7,453	-	-
SEA BASS:				
BLACK	12,500	2,071	327,900	54,169
WHITE	458,500	143,006	235,700	73,584
SHARKS, UNCLASSIFIED	610,100	58,246	13,800	1,319
SHEEPSHEAD	9,700	713	3,000	220
SIERRA	-	-	700	36
SKATES	398,100	3,610	-	-
SMELT	491,300	25,512	-	-
SPLITTAIL	700	258	-	-
SWORDFISH	360,600	158,555	8,300	3,668
TUNA:				
ALBACORE	20,738,100	3,693,455	8,385,200	1,494,131
BLUEFIN	13,762,500	1,782,244	7,120,200	922,569
SKIPJACK	600	249	65,402,200	7,218,440
YELLOWFIN	-	-	191,854,000	24,438,767
TURBOT	71,400	4,415	-	-
WAHOO	-	-	9,300	3,249
WHITEBAIT	335,800	25,236	-	-
YELLOWTAIL	80,700	5,880	300,100	21,859
UNCLASSIFIED:				
FOR FOOD	10,500	716	17,200	1,173
BAIT AND ANIMAL FOOD	3,777,100	74,992	-	-
CRABS:				
DUNGENESS	11,711,200	1,980,791	-	-
ROCK	151,700	12,131	-	-
LOBSTERS, SPINY	412,400	279,442	6,300	4,276
SHRIMP:				
BAY	2,100	267	-	-
OCEAN	2,002,700	190,113	-	-
ABALONE	910,700	606,899	-	-
CLAMS, HARD	2,000	2,782	-	-
OCTOPUS	3,000	141	-	-
OYSTER, MARKET:				
EASTERN	14,800	5,110	-	-
PACIFIC	1,205,700	290,503	-	-
SQUID	10,285,900	231,229	-	-
WHALE PRODUCTS:				
MEAL	3,282,000	201,380	-	-
MEAT	4,943,800	396,631	-	-
OIL:				
SPERM	665,500	60,509	-	-
WHALE	2,765,400	178,694	-	-
TOTAL	323,784,800	21,919,821	[illegible]	[illegible]

NORTHERN DISTRICT OF CALIFORNIA - OPERATING UNITS, 1961

ITEM	HAUL SEINES, COMMON	BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH	POTS, CRAB
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	40	134	380
ON BOATS AND SHORE	10	-	-	82
TOTAL	10	40	134	462
VESSELS, MOTOR	-	11	31	163
GROSS TONNAGE	-	274	1,793	2,743
BOATS, MOTOR	5	-	-	55
GEAR:				
NUMBER	5	11	31	18,110
LENGTH, YARDS	250	-	-	-
YARDS AT MOUTH	-	77	837	-

ITEM	LINES				
	HAND, ROCKFISH	TROLL			LONG OR SET
		SALMON	ALBACORE	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	1,096	432	-	-
ON BOATS AND SHORE	4	679	27	6	10
TOTAL	4	1,775	459	6	10
VESSELS, MOTOR	-	484	181	-	-
GROSS TONNAGE	-	8,238	4,038	-	-
BOATS, MOTOR	2	388	18	3	5
GEAR:					
NUMBER	4	5,232	1,791	24	40
HOOKS	8	20,928	1,791	24	4,000

ITEM	DREDGES, OYSTER		TONGS, OYSTER	SHOVELS, CLAM	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	COMMON	SUCTION				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	-	1,393
ON BOATS AND SHORE	4	3	8	4	8	686
TOTAL	4	3	8	4	8	2,079
VESSELS, MOTOR	-	-	-	-	-	580
GROSS TONNAGE	-	-	-	-	-	11,911
BOATS, MOTOR	2	1	8	2	8	392
GEAR:						
NUMBER	2	1	8	4	-	-
YARDS AT MOUTH	2	-	-	-	-	-

NORTHERN DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		BEAM TRAWLS		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
ARROWTOOTH HALIBUT.	-	-	-	-	50,200	$2,424
CALIFORNIA HALIBUT.	-	-	-	-	200	43
SAND DABS	-	-	-	-	103,500	8,191
"SOLE":						
DOVER	-	-	-	-	6,279,300	375,200
ENGLISH	-	-	-	-	1,498,600	110,988
PETRALE	-	-	-	-	1,606,400	183,331
REX	-	-	-	-	604,300	42,042
SAND.	-	-	-	-	8,700	921
UNCLASSIFIED.	-	-	-	-	400	22
OTHER	-	-	-	-	202,600	9,953
HERRING, SEA.	100	$7	-	-	-	-
LINGCOD	-	-	-	-	654,800	45,300
PERCH	61,000	8,692	-	-	-	-
ROCKFISHES.	-	-	-	-	2,091,700	89,190
SABLEFISH	-	-	-	-	529,300	41,600
SHARKS, UNCLASSIFIED.	-	-	-	-	1,100	64
SKATES.	-	-	-	-	200,100	1,013
SMELT	296,900	15,151	-	-	-	-
TURBOT.	-	-	-	-	7,600	753
WHITEBAIT	307,200	21,361	-	-	-	-
UNCLASSIFIED, FOR BAIT AND ANIMAL FOOD.	-	-	-	-	2,760,900	55,218
CRABS:						
DUNGENESS	-	-	-	-	3,700	595
ROCK.	-	-	-	-	100	5
SHRIMP, OCEAN	-	-	2,002,700	$190,113	-	-
OCTOPUS	-	-	-	-	400	8
TOTAL	665,200	45,211	2,002,700	190,113	16,603,900	966,861

SPECIES	POTS		LINES		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	3,900	$966	-	-
LINGCOD	-	-	107,800	7,439	-	-
ROCKFISHES.	-	-	25,700	1,106	-	-
SABLEFISH	-	-	50,600	3,969	-	-
SALMON:						
CHINOOK OR KING	-	-	3,660,300	1,972,063	-	-
SILVER OR COHO.	-	-	474,600	166,110	-	-
TUNA, ALBACORE.	-	-	1,440,200	234,386	-	-
CRABS, DUNGENESS.	10,570,000	$1,698,462	-	-	-	-
OYSTERS, PACIFIC.	-	-	-	-	978,500	$203,800
TOTAL	10,570,000	1,698,462	5,763,100	2,386,039	978,500	203,800

SPECIES	TONGS AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD	-	-	500	$280
OYSTERS, PACIFIC.	30,300	$6,366	-	-
TOTAL	30,300	6,366	500	280

SAN FRANCISCO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1961

ITEM	HAUL SEINES, COMMON	PURSE SEINES AND LAMPARA NETS	BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	18	4	105
ON BOATS AND SHORE.	18	5	3	-
TOTAL	18	23	7	105
VESSELS, MOTOR.	-	5	1	25
GROSS TONNAGE	-	60	26	1,377
BOATS, MOTOR.	[illegible]	1	1	-
GEAR:				
NUMBER.	8	6	2	25
LENGTH, YARDS	1,200	1,400	-	-
YARDS AT MOUTH.	-	-	14	675

ITEM	POTS AND TRAPS		GILL NETS, DRIFT	LINES	
				HAND	
	CRAB	FISH		ROCKFISH	ALBACORE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	254	-	4	-	15
ON BOATS AND SHORE.	120	6	-	16	-
TOTAL	374	6	4	16	15
VESSELS, MOTOR.	113	-	2	-	7
GROSS TONNAGE	1,684	-	28	-	186
BOATS, MOTOR.	72	3	-	8	-
GEAR:					
NUMBER.	14,555	150	2	16	15
SQUARE YARDS.	-	-	7,100	-	-
HOOKS	-	-	-	32	15

ITEM	LINES - CONTINUED			HARPOONS, WHALE
	TROLL		LONG OR SET	
	SALMON	ALBACORE		
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	1,103	554	6	26
ON BOATS AND SHORE.	591	10	12	-
TOTAL	1,694	564	18	26
VESSELS, MOTOR.	476	213	3	5
GROSS TONNAGE	8,376	5,312	34	972
BOATS, MOTOR.	338	5	6	-
GEAR:				
NUMBER.	4,884	1,962	80	5
HOOKS	19,536	1,962	8,000	-

ITEM	DREDGES, OYSTER	TONGS, OYSTER	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	-	-	1,513
ON BOATS AND SHORE.	2	6	2	618
TOTAL	2	6	2	2,131
VESSELS, MOTOR.	-	-	-	614
GROSS TONNAGE	-	-	-	13,346
BOATS, MOTOR.	1	6	1	353
GEAR:				
NUMBER.	1	6	1	-
YARDS AT MOUTH.	1	-	-	-

NOTE:--INCLUDES OPERATING UNITS IN THE SACRAMENTO AREA CONSISTING OF FISH TRAPS AND HAUL SEINES.

SAN FRANCISCO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	HAUL SEINES		PURSE SEINES AND LAMPARA NETS		BEAM TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	229,600	$3,743	-	-
CARP	295,800	$13,364	-	-	-	-
HARDHEAD	99,300	19,900	-	-	-	-
HERRING, SEA	1,039,900	8,639	-	-	-	-
MACKEREL, JACK	-	-	19,900	1,046	-	-
PERCH	22,600	3,767	-	-	-	-
SMELT	19,500	1,912	38,700	3,794	-	-
WHITEBAIT	-	-	16,000	1,930	-	-
SHRIMP, BAY	-	-	-	-	2,100	$267
TOTAL	1,477,100	47,582	304,200	10,513	2,100	267

SPECIES	OTTER TRAWLS		POTS AND TRAPS		GILL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABEZONE	-	-	-	-	-	-	200	$8
CARP	-	-	42,800	$1,936	-	-	-	-
FLOUNDERS:								
ARROWTOOTH HALIBUT	10,400	$386	-	-	-	-	-	-
CALIFORNIA HALIBUT	44,800	8,942	-	-	-	-	5,300	1,058
SAND DABS	346,600	22,152	-	-	-	-	-	-
"SOLE":								
DOVER	1,405,000	73,225	-	-	-	-	-	-
ENGLISH	1,304,000	94,715	-	-	-	-	-	-
PETRALE	816,200	96,867	-	-	-	-	-	-
REX	414,600	26,964	-	-	-	-	-	-
SAND	65,700	6,673	-	-	-	-	-	-
UNCLASSIFIED	1,500	92	-	-	-	-	1,500	92
OTHER	88,400	4,590	-	-	-	-	100	8
HAKE	3,200	52	-	-	-	-	-	-
KING CROAKER	3,900	208	-	-	200	$11	-	-
LINGCOD	403,700	26,147	-	-	-	-	41,500	2,689
MACKEREL, JACK	900	48	-	-	-	-	-	-
PERCH	800	135	-	-	-	-	-	-
ROCKFISHES	2,148,300	103,419	-	-	-	-	73,500	3,546
SABLEFISH	670,900	20,576	-	-	-	-	1,700	58
SALMON:								
CHINOOK OR KING	-	-	-	-	-	-	3,641,900	2,091,704
SILVER OR COHO	-	-	-	-	-	-	59,800	20,930
SEA BASS, WHITE	200	60	-	-	30,700	9,087	-	-
SHARKS, UNCLASSIFIED	57,000	2,170	-	-	73,200	2,785	-	-
SKATES	130,200	1,527	-	-	-	-	-	-
SPLITTAIL	-	-	-	-	-	-	700	258
TUNA, ALBACORE	-	-	-	-	-	-	3,432,300	615,608
TURBOT	60,900	3,515	-	-	-	-	-	-
UNCLASSIFIED:								
FOR FOOD	100	9	-	-	-	-	-	-
BAIT AND ANIMAL FOOD	187,200	3,233	-	-	-	-	-	-
CRABS, DUNGENESS	30,700	7,587	1,034,800	255,388	-	-	-	-
OCTOPUS	2,400	93	-	-	-	-	-	-
TOTAL	8,197,600	503,385	1,077,600	257,324	104,100	11,883	7,258,500	2,735,959

SPECIES	HARPOONS		DREDGES		TONGS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ABALONE	-	-	-	-	-	-	4,800	$4,390
OYSTERS:								
EASTERN	-	-	-	-	14,800	$5,110	-	-
PACIFIC	-	-	6,400	$5,836	57,400	2,314	-	-
WHALE PRODUCTS:								
MEAL	3,282,000	$201,380	-	-	-	-	-	-
MEAT	4,943,800	396,631	-	-	-	-	-	-
OIL:								
SPERM	665,500	60,509	-	-	-	-	-	-
WHALE	2,765,400	178,694	-	-	-	-	-	-
TOTAL	11,656,700	837,214	6,400	5,836	72,200	7,424	4,800	4,390

MONTEREY DISTRICT OF CALIFORNIA, OPERATING UNITS, 1961

ITEM	PURSE SEINES AND LAMPARA NETS			
	MACKEREL	SARDINE	SQUID	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	129	103	45	35
ON BOATS AND SHORE.	-	-	-	18
TOTAL	129	103	45	53
VESSELS, MOTOR.	20	15	10	8
GROSS TONNAGE	993	820	174	206
BOATS, MOTOR.	9	8	1	6
GEAR:				
NUMBER.	20	15	10	14
LENGTH, YARDS	8,400	6,550	3,400	3,700

ITEM	OTTER TRAWLS, FISH	POTS, CRAB	GILL NETS, DRIFT	LINES
				HAND
				ROCKFISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	32	11	13	-
ON BOATS AND SHORE.	3	10	10	60
TOTAL	35	21	23	60
VESSELS, MOTOR.	7	4	4	-
GROSS TONNAGE	516	85	73	-
BOATS, MOTOR.	1	5	5	41
GEAR:				
NUMBER.	8	735	9	60
SQUARE YARDS.	-	-	26,500	-
YARDS AT MOUTH.	209	-	-	-
HOOKS	-	-	-	120

ITEM	LINES - CONTINUED			
	HAND - CONTINUED	TROLL		
	ALBACORE	SALMON	ALBACORE	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	15	387	409	-
ON BOATS AND SHORE.	-	329	44	16
TOTAL	15	716	453	16
VESSELS, MOTOR.	6	159	156	-
GROSS TONNAGE	132	2,794	3,517	-
BOATS, MOTOR.	-	188	29	10
GEAR:				
NUMBER.	15	2,082	1,665	60
HOOKS	15	8,328	1,665	60

ITEM	LINES - CONTINUED	SHOVELS, CLAM	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	12	-	-	804
ON BOATS AND SHORE.	25	2	4	380
TOTAL	37	2	4	1,184
VESSELS, MOTOR.	6	-	-	281
GROSS TONNAGE	68	-	-	6,727
BOATS, MOTOR.	17	2	2	226
GEAR:				
NUMBER.	196	2	2	-
HOOKS	16,880	-	-	-

MONTEREY DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	3,787,500	$54,139	-	-	-	-
CABEZONE	-	-	200	$12	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT	-	-	100	4	-	-
CALIFORNIA HALIBUT	-	-	200	50	-	-
SAND DABS	-	-	77,300	5,084	-	-
"SOLE":						
DOVER	-	-	59,600	2,947	-	-
ENGLISH	-	-	206,700	15,154	-	-
PETRALE	-	-	111,400	13,309	-	-
REX	-	-	70,500	3,601	-	-
SAND	-	-	200	29	-	-
UNCLASSIFIED	-	-	1,900	179	-	-
OTHER	-	-	2,400	242	-	-
HERRING, SEA	352,800	22,089	-	-	-	-
KING CROAKER	128,600	6,648	3,200	167	-	-
LINGCOD	-	-	52,400	4,961	-	-
MACKEREL:						
JACK	3,635,500	84,561	15,500	367	-	-
PACIFIC	10,300	265	100	3	-	-
PERCH	11,700	1,481	1,300	165	-	-
POMPANO	1,300	774	-	-	-	-
ROCKFISHES	-	-	2,504,400	130,103	-	-
SABLEFISH	-	-	127,600	6,741	-	-
SARDINE, PACIFIC	1,109,600	33,816	-	-	-	-
SHARKS, UNCLASSIFIED	-	-	20,400	1,154	-	-
SKATES	-	-	64,900	908	-	-
SMELT	33,500	1,989	-	-	-	-
WHITEBAIT	12,600	1,945	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	200	6	-	-
BAIT AND ANIMAL FOOD	-	-	9,700	154	-	-
CRABS, DUNGENESS	-	-	-	-	16,000	$4,628
OCTOPUS	-	-	100	8	-	-
SQUID	3,686,300	129,100	-	-	-	-
TOTAL	12,759,700	336,807	3,330,300	185,348	16,000	4,628

SPECIES	GILL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE
CABEZONE	-	-	3,600	$203
FLOUNDERS:				
CALIFORNIA HALIBUT	-	-	9,800	2,401
SAND DABS	-	-	34,700	2,283
"SOLE", UNCLASSIFIED	-	-	9,100	856
OTHER	-	-	16,400	1,644
KING CROAKER	106,300	$5,495	-	-
LINGCOD	-	-	96,100	9,093
ROCKFISHES	-	-	723,600	37,593
SABLEFISH	-	-	222,800	11,763
SALMON:				
CHINOOK OR KING	-	-	652,100	363,431
SILVER OR COHO	-	-	2,500	1,000
SEA BASS, WHITE	12,000	3,300	1,400	388
SHARKS, UNCLASSIFIED	18,600	1,056	-	-
SWORDFISH	-	-	500	180
TUNA, ALBACORE	-	-	1,871,800	302,569
TOTAL	136,900	9,851	3,644,400	733,404

SPECIES	SHOVELS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
ABALONE	-	-	100	$128
CLAMS, HARD	100	$22	-	-
TOTAL	100	22	100	128

SANTA BARBARA DISTRICT OF CALIFORNIA - OPERATING UNITS, 1961

ITEM	PURSE SEINES AND LAMPARA NETS				OTTER TRAWLS, FISH
	MACKEREL	SARDINE	SQUID	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	190	172	31	16	72
ON BOATS AND SHORE	-	-	-	-	6
TOTAL	190	172	31	16	78
VESSELS, MOTOR	25	21	5	3	17
GROSS TONNAGE	1,696	1,574	130	152	708
BOATS, MOTOR	17	16	2	-	2
GEAR:					
NUMBER	25	21	5	3	19
LENGTH, YARDS	11,830	10,300	2,030	1,330	-
YARDS AT MOUTH	-	-	-	-	449

ITEM	POTS AND TRAPS		GILL NETS, DRIFT		TRAMMEL NETS
	CRAB	LOBSTER	BARRACUDA	SEA BASS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	11	14	-	17	-
ON BOATS AND SHORE	18	25	28	12	4
TOTAL	29	39	28	29	4
VESSELS, MOTOR	5	8	-	7	-
GROSS TONNAGE	74	95	-	127	-
BOATS, MOTOR	9	17	14	6	2
GEAR:					
NUMBER	990	1,485	14	13	2
SQUARE YARDS	-	-	35,000	38,900	11,000

ITEM	LINES				
	HAND		TROLL		LONG OR SET
	ROCKFISH	ALBACORE	SALMON	ALBACORE	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	26	106	236	6
ON BOATS AND SHORE	25	6	66	14	10
TOTAL	25	32	172	250	16
VESSELS, MOTOR	-	11	42	91	3
GROSS TONNAGE	-	293	875	2,144	46
BOATS, MOTOR	17	3	38	8	5
GEAR:					
NUMBER	25	32	480	891	70
HOOKS	50	32	1,920	891	6,200

ITEM	DIP, BRAIL, OR SCOOP NETS	HARPOONS, SWORDFISH	TONGS, OYSTER	DIVING OUTFITS, ABALONE	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	31	7	-	6	-	655
ON BOATS AND SHORE	2	18	11	138	11	280
TOTAL	33	25	11	144	11	935
VESSELS, MOTOR	13	3	-	3	-	199
GROSS TONNAGE	284	38	-	31	-	5,785
BOATS, MOTOR	1	9	11	69	-	177
GEAR, NUMBER	32	12	11	72	-	-

SANTA BARBARA DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	54,100	$1,944	-	-	-	-
BONITO	21,400	590	200	$6	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	141,800	31,777	-	-
SAND DABS	-	-	600	34	-	-
"SOLE":						
DOVER	-	-	82,700	4,965	-	-
ENGLISH	-	-	636,600	39,818	-	-
PETRALE	-	-	856,700	95,578	-	-
REX	-	-	119,600	7,250	-	-
SAND	-	-	2,400	265	-	-
UNCLASSIFIED	-	-	7,600	462	-	-
OTHER	-	-	1,600	135	-	-
LINGCOD	-	-	52,200	4,918	-	-
MACKEREL:						
JACK	14,792,000	280,450	-	-	-	-
PACIFIC	2,353,800	47,300	-	-	-	-
PERCH	-	-	200	46	-	-
ROCKFISHES	-	-	2,169,000	101,509	-	-
SABLEFISH	-	-	12,600	779	-	-
SARDINE, PACIFIC	8,582,300	242,553	-	-	-	-
SEA BASS, WHITE	-	-	200	65	-	-
SHARKS, UNCLASSIFIED	-	-	1,500	128	-	-
SKATES	-	-	2,600	129	-	-
SMELT	1,000	83	-	-	-	-
TURBOT	-	-	2,900	147	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	1,100	74	-	-
BAIT AND ANIMAL FOOD	-	-	819,300	16,387	-	-
CRABS:						
DUNGENESS	-	-	600	154	55,400	$13,977
ROCK	-	-	300	17	77,100	4,153
LOBSTERS, SPINY	-	-	-	-	78,600	51,316
SQUID	2,571,100	34,197	-	-	-	-
TOTAL	28,375,700	607,117	4,912,300	304,643	211,100	69,446

SPECIES	GILL AND TRAMMEL NETS		LINES		DIP, BRAIL, OR SCOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	150,000	$23,085	4,400	$690	-	-
CABEZONE	-	-	1,000	62	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	49,900	11,201	-	-
"SOLE", UNCLASSIFIED	-	-	300	19	-	-
OTHER	-	-	3,800	318	-	-
KING CROAKER	-	-	1,000	78	-	-
LINGCOD	-	-	31,300	2,950	-	-
MACKEREL:						
JACK	-	-	-	-	2,800	$141
PACIFIC	-	-	-	-	123,900	2,543
PERCH	14,000	3,126	3,000	669	-	-
ROCKFISHES	-	-	152,000	7,129	-	-
SALMON:						
CHINOOK OR KING	-	-	133,400	76,201	-	-
SILVER OR COHO	-	-	100	50	-	-
SCULPIN	-	-	100	29	-	-
SEA BASS:						
BLACK	-	-	2,200	288	-	-
WHITE	94,400	29,018	6,900	2,121	-	-
SHARKS, UNCLASSIFIED	94,100	7,942	3,000	253	-	-
SHEEPSHEAD	-	-	1,100	54	-	-
SWORDFISH	-	-	3,200	1,352	-	-
TUNA, ALBACORE	-	-	683,800	108,883	-	-
YELLOWTAIL	-	-	7,800	547	-	-
TOTAL	352,500	63,171	1,088,300	212,894	126,700	2,684

SPECIES	HARPOONS		TONGS AND BY HAND		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SWORDFISH	60,200	$25,350	-	-	-	-
ABALONE	-	-	-	-	629,100	$462,321
OYSTERS, PACIFIC	-	-	133,100	$22,187	-	-
TOTAL	60,200	25,350	133,100	22,187	629,100	462,321

SAN PEDRO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1961

ITEM	PURSE SEINES AND LAMPARA NETS				
	MACKEREL	SARDINE	SQUID	TUNA	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	617	576	39	1,422	59
ON BOATS AND SHORE	-	-	-	-	9
TOTAL	617	576	39	1,422	68
VESSELS, MOTOR	74	66	7	119	12
GROSS TONNAGE	5,570	5,188	197	31,961	317
BOATS, MOTOR	52	49	1	186	3
GEAR:					
NUMBER	74	68	7	119	15
LENGTH, YARDS	37,800	35,050	2,300	84,850	4,780

ITEM	POTS, LOBSTER	GILL NETS, DRIFT			TRAMMEL NETS
		BARRACUDA	SEA BASS	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	37	21	19	13	-
ON BOATS AND SHORE	122	26	20	-	2
TOTAL	159	47	39	13	2
VESSELS, MOTOR	16	8	8	5	-
GROSS TONNAGE	250	147	121	68	-
BOATS, MOTOR	73	13	10	-	1
GEAR:					
NUMBER	5,940	21	18	5	1
SQUARE YARDS	-	60,700	51,800	17,100	5,500

ITEM	LINES					
	HAND			TROLL		
	ROCKFISH	ALBACORE	YELLOWFIN	SALMON	ALBACORE	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	349	288	19	733	4
ON BOATS AND SHORE	51	30	-	4	194	14
TOTAL	51	379	288	23	927	18
VESSELS, MOTOR	-	127	25	6	279	2
GROSS TONNAGE	-	3,376	4,583	194	6,867	34
BOATS, MOTOR	25	22	25	2	97	7
GEAR:						
NUMBER	51	379	245	48	3,384	60
HOOKS	102	379	245	192	3,384	60

ITEM	LINES-CONTINUED	DIP, BRAIL, OR SCOOP NETS	HARPOONS, SWORDFISH	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	37	113	34	26	3,013
ON BOATS AND SHORE	35	48	82	90	523
TOTAL	72	161	116	116	3,536
VESSELS, MOTOR	16	49	14	11	576
GROSS TONNAGE	302	642	239	265	47,607
BOATS, MOTOR	20	24	41	45	522
GEAR:					
NUMBER	320	161	55	56	-
HOOKS	28,800	-	-	-	-

SAN PEDRO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS		GILL AND TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	3,640,400	$50,237	-	-	-	-
BARRACUDA	-	-	-	-	477,600	$72,022
BONITO	7,603,600	194,014	-	-	-	-
FLOUNDERS, CALIFORNIA HALIBUT	-	-	-	-	42,600	11,041
FLYING FISH	7,800	936	-	-	20,000	2,403
HALFMOON	-	-	-	-	2,000	501
HERRING, SEA	8,500	425	-	-	-	-
KING CROAKER	200,000	7,992	-	-	443,500	17,717
MACKEREL:						
JACK	79,139,700	1,658,422	-	-	-	-
PACIFIC	38,783,000	842,754	-	-	-	-
PERCH	-	-	-	-	3,700	729
POMPANO	8,000	1,698	-	-	-	-
SARDINE, PACIFIC	33,429,500	866,671	-	-	-	-
SEA BASS:						
BLACK	-	-	-	-	290,000	48,082
WHITE	-	-	-	-	338,000	112,486
SHARKS, UNCLASSIFIED	-	-	-	-	240,000	30,816
SMELT	67,000	1,701	-	-	34,700	882
TUNA:						
ALBACORE	2,000,000	362,631	-	-	-	-
BLUEFIN	20,419,400	2,646,119	-	-	-	-
SKIPJACK	34,906,700	3,853,700	-	-	-	-
YELLOWFIN	141,069,700	17,901,700	-	-	-	-
YELLOWTAIL	240,700	16,957	-	-	-	-
CRABS, ROCK	-	-	73,100	$7,924	-	-
LOBSTERS, SPINY	-	-	203,500	142,930	-	-
OCTOPUS	-	-	-	-	100	32
SQUID	4,026,600	67,858	-	-	-	-
TOTAL	365,550,600	28,473,815	276,600	150,854	1,892,200	296,711

SPECIES	LINES		DIP, BRAIL, OR SCOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	41,600	$6,284	-	-
BONITO	844,800	21,550	-	-
CABRILLA	11,000	1,750	-	-
FLOUNDERS:				
CALIFORNIA HALIBUT	85,200	22,075	-	-
SAND DABS	300	64	-	-
"SOLE", UNCLASSIFIED	1,700	135	-	-
FLYING FISH	-	-	5,000	$600
GROUPERS	190,000	41,056	-	-
HALFMOON	3,900	977	-	-
LINGCOD	100	15	-	-
MACKEREL, PACIFIC	35,100	973	2,726,500	59,246
OPALEYE	2,300	352	-	-
POMPANO	2,200	468	-	-
ROCK BASS	1,400	260	-	-
ROCKFISHES	584,300	73,734	-	-
SABLEFISH	900	116	-	-
SALMON, CHINOOK OR KING	13,200	6,568	-	-
SCULPIN	7,800	2,659	-	-
SEA BASS:				
BLACK	18,800	3,127	-	-
WHITE	9,200	3,088	-	-
SHARKS, UNCLASSIFIED	30,400	3,915	-	-
SHEEPSHEAD	3,900	268	-	-
SIERRA	600	19	-	-
SKATES	300	33	-	-
SWORDFISH	25,900	11,575	-	-
TUNA:				
ALBACORE	9,993,600	1,808,841	-	-
SKIPJACK	14,257,700	1,577,012	-	-
YELLOWFIN	22,964,800	2,922,205	-	-
WAHOO	9,300	3,249	-	-
YELLOWTAIL	60,000	4,229	-	-
UNCLASSIFIED, FOR FOOD	18,300	1,184	-	-
TOTAL	49,218,600	6,517,781	2,731,500	59,246

SPECIES	HARPOONS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
SWORDFISH	233,400	$104,096	-	-
ABALONE	-	-	200,500	$104,068
TOTAL	233,400	104,096	200,500	104,068

SAN DIEGO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1961

ITEM	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS	
	TUNA	OTHER	CRAB	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	166	18	-	9
ON BOATS AND SHORE	-	-	2	81
TOTAL	166	18	2	90
VESSELS, MOTOR	13	3	-	4
GROSS TONNAGE	4,782	119	-	79
BOATS, MOTOR	23	-	1	54
GEAR:				
NUMBER	13	3	60	3,540
LENGTH, YARDS	10,200	1,200	-	-

ITEM	GILL NETS, DRIFT		LINES	
			HAND	
	BARRACUDA	SEA BASS	ROCKFISH	ALBACORE
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	6	23	-	356
ON BOATS AND SHORE	8	20	54	50
TOTAL	14	43	54	406
VESSELS, MOTOR	3	8	-	128
GROSS TONNAGE	65	117	-	3,125
BOATS, MOTOR	4	10	36	35
GEAR:				
NUMBER	7	18	54	405
SQUARE YARDS	19,900	52,700	--	-
HOOKS	-	-	108	405

ITEM	LINES - CONTINUED			DIP, BRAIL, OR SCOOP NETS
	HAND - CONTINUED	TROLL, ALBACORE	LONG OR SET	
	YELLOWFIN			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	284	502	4	4
ON BOATS AND SHORE	-	106	11	-
TOTAL	284	608	15	4
VESSELS, MOTOR	24	187	2	2
GROSS TONNAGE	5,705	4,401	32	37
BOATS, MOTOR	24	71	7	-
GEAR:				
NUMBER	246	2,322	76	4
HOOKS	246	2,322	6,480	-

ITEM	HARPOONS, SWORDFISH	SHOVELS, CLAM	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	11	-	-	1,076
ON BOATS AND SHORE	18	6	52	341
TOTAL	29	6	52	1,417
VESSELS, MOTOR	5	-	-	268
GROSS TONNAGE	83	-	-	16,059
BOATS, MOTOR	10	-	26	242
GEAR, NUMBER	15	6	26	-

SAN DIEGO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1961

SPECIES	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	18,000	$2,345	-	-
BONITO	43,000	2,277	-	-
MACKEREL, PACIFIC	72,500	2,716	-	-
SARDINE, PACIFIC	47,600	3,444	-	-
TUNA:				
BLUEFIN	463,300	58,694	-	-
SKIPJACK	11,529,300	1,269,505	-	-
YELLOWFIN	23,924,800	3,108,940	-	-
YELLOWTAIL	59,300	4,927	-	-
CRABS, ROCK	-	-	1,100	$32
LOBSTERS, SPINY	-	-	136,600	89,472
SQUID	1,900	74	-	-
TOTAL	36,159,700	4,452,922	137,700	89,504

SPECIES	GILL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	9,000	$1,173	8,800	$1,145
FLOUNDERS:				
CALIFORNIA HALIBUT	34,800	7,865	240,000	54,253
"SOLE", UNCLASSIFIED	-	-	10,400	2,487
GROUPERS	-	-	12,300	1,883
KING CROAKER	2,500	248	-	-
LINGCOD	-	-	100	5
PERCH	100	10	-	-
ROCK BASS	-	-	1,200	252
ROCKFISHES	-	-	358,300	39,481
SABLEFISH	-	-	1,600	196
SCULPIN	-	-	18,700	4,765
SEA BASS:				
BLACK	-	-	29,400	4,743
WHITE	180,000	50,973	21,200	6,004
SHARKS, UNCLASSIFIED	70,000	7,680	14,600	1,602
SHEEPSHEAD	-	-	7,700	611
SIERRA	-	-	100	17
SWORDFISH	-	-	4,700	2,023
TUNA:				
ALBACORE	-	-	9,701,600	1,754,668
SKIPJACK	-	-	4,709,100	518,472
YELLOWFIN	-	-	3,894,700	505,922
YELLOWTAIL	-	-	13,000	1,079
UNCLASSIFIED, FOR FOOD	-	-	8,000	616
TOTAL	296,400	67,949	19,055,500	2,900,224

SPECIES	DIP, BRAIL, OR SCOOP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE
MACKEREL, PACIFIC	5,000	$187	-	-
SWORDFISH	-	-	41,000	$17,647
TOTAL	5,000	187	41,000	17,647

SPECIES	SHOVELS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
ABALONE	-	-	76,200	$35,492
CLAMS, HARD	1,400	$2,480	-	-
TOTAL	1,400	2,480	76,200	35,492

LANDINGS BY HALIBUT FLEET AT SEATTLE, WASHINGTON

Landings of halibut at Seattle, Washington in 1961 by the United States halibut fleet amounted to 12.6 million pounds valued at $3 million. This was 3.1 million pounds or 20 percent less than in 1960, but an increase of $75,000, or nearly 3 percent. In 1961, ex-vessel halibut prices at Seattle reached the highest level since 1958.

Landings of halibut from fishing grounds west of Cape Spencer decreased 2.4 million pounds compared with 1960. Sablefish landings from grounds south of Cape Spencer amounted to 1.4 million pounds--1.3 million pounds less than in the previous year.

The following tables contain a summary of the landings of dressed halibut at Seattle by the United States halibut fleet. These data are not directly comparable with the State and sectional tabulations, since the weights in those tables represent the round weight of fish landed.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY FISHING GROUNDS, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

FISHING GROUNDS	HALIBUT (DRESSED)						
	TRIPS	CHICKEN		MEDIUM		LARGE	
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WEST OF CAPE SPENCER.	148	72	13	5,801	1,347	2,933	758
SOUTH OF CAPE SPENCER	233	760	137	2,150	532	288	78
TOTAL.	381	832	150	7,951	1,879	3,221	836

FISHING GROUNDS	HALIBUT (DRESSED) - CONTINUED				SABLEFISH		TOTAL	
	NO. 2 MEDIUM		NO. 2 LARGE					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WEST OF CAPE SPENCER.	435	86	90	20	-	-	9,331	2,224
SOUTH OF CAPE SPENCER	66	14	5	1	1,434	288	4,703	1,050
TOTAL.	501	100	95	21	1,434	288	14,034	3,274

SEE NOTE AT END OF NEXT TABLE.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY MONTHS, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

MONTHS	HALIBUT (DRESSED)						
	TRIPS	CHICKEN		MEDIUM		LARGE	
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
APRIL	15	17	3	728	167	64	17
MAY	83	175	31	2,961	645	1,080	257
JUNE.	68	255	46	1,597	373	852	213
JULY.	43	271	49	958	230	354	95
AUGUST.	48	82	15	1,070	283	528	151
SEPTEMBER	54	31	6	407	111	191	57
OCTOBER	60	1	(1)	218	66	152	46
NOVEMBER.	10	-	-	12	4	-	-
TOTAL.	381	832	150	7,951	1,879	3,221	836

MONTHS	HALIBUT (DRESSED) - CONTINUED				SABLEFISH		TOTAL	
	NO. 2 MEDIUM		NO. 2 LARGE					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
APRIL	40	8	8	1	-	-	857	196
MAY	160	29	26	5	20	3	4,422	970
JUNE.	98	18	13	3	4	1	2,819	654
JULY.	56	11	8	2	20	3	1,667	390
AUGUST.	90	20	21	5	101	19	1,892	493
SEPTEMBER	31	7	8	2	548	105	1,216	288
OCTOBER	26	7	11	3	604	124	1,012	246
NOVEMBER.	-	-	-	-	137	33	149	37
TOTAL.	501	100	95	21	1,434	288	14,034	3,274

1/ LESS THAN $500.

NOTE:--THE 1961 PACIFIC HALIBUT FISHING SEASON OPENED ON APRIL 10, IN AREA 3 B (NORTH). AREA 3 B (SOUTH) OPENED ON APRIL 25. AREAS 1A, 1B, 2, AND 3A OPENED TO HALIBUT FISHING ON MAY 10. AREA 3A CLOSED TO HALIBUT FISHING ON AUGUST 23. AREAS 2 AND 1B CLOSED TO HALIBUT FISHING ON SEPTEMBER 7. AREAS 1A AND 3B CLOSED TO HALIBUT FISHING ON OCTOBER 1. ALL AREAS OPENED OR CLOSED AT 6 A.M. PACIFIC STANDARD TIME.

PACIFIC COAST FISHERIES

WHALING

During the 1961 season, two companies again carried on whaling operations from shore stations located on Point San Pablo, Richmond, California. A third company began whaling from a shore station at the mouth of the Columbia River. The two stations in California used the same five catcher boats operated in previous years, while the Oregon company used only one catcher boat. The season was the same as in 1960--April 16 through October 15.

The total catch of 343 whales, 72 more than in 1960, made the season the most successful since whaling resumed on the Pacific Coast of the United States in 1956. The catch was processed into 3 million pounds of whale meat and 3.5 million pounds of sperm oil, whale oil, and condensed solubles. These products were valued at $847,000 to the producers. Compared with 1960, this represented a gain of 15 percent in volume and 26 percent in value. One factor responsible for the gain was the much higher catch of sperm whales--104 compared with only 16 in 1960. In previous years, the catcher vessels largely neglected sperm whales because of the relative undesirability of the meat, and the low prices paid for the oil. However, with sperm oil prices up in 1961, and the whales more numerous than usual, catcher boats spent more time in pursuit of this species.

An unusual feature of the 1961 season was the large proportion of female sperm whales in the catch; previously only two females had been taken, both in 1960. Female sperms usually remain in warmer waters, and are infrequently encountered off the west coast above latitude 35° north. However, several times during the season the boats encountered harem schools containing up to 50 sperm whales, mostly females. Although most females fall below the 35-foot legal size limit, enough larger ones were encountered to bring the female catch to 43.

Many fin whales, economically the most important species, were taken early in the season when their euphausiid feed was abundant, but they disappeared from the area in early August, and the total catch of 118 fin whales was considerably below the 138 taken in 1960. Humpback whales, which have been seriously depleted locally, showed a further decline in catch. The catch of sei whales continues to increase as the larger species of baleen whales become less available. Blue whales rarely occur in any numbers in central California waters, and then only in late September and October. Only two were taken.

WHALE CATCH, 1961

MONTH	BLUE	BOTTLENOSE	FIN	HUMPBACK	SEI	SPERM	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
APRIL	-	-	-	8	-	16	24
MAY	-	-	37	19	-	12	68
JUNE	-	1	19	17	-	13	50
JULY	-	3	30	4	11	7	55
AUGUST	-	-	32	7	26	17	82
SEPTEMBER	-	-	-	2	7	21	30
OCTOBER	2	-	-	7	7	18	34
TOTAL	2	4	118	64	51	104	343

WHALE PRODUCTS, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	QUANTITY	VALUE
MEAL	3,316	203
MEAT	[illegible]	401
OIL:		
SPERM	[illegible]	[illegible]
WHALE	2,774	[illegible]
SOLUBLES, CONDENSED	[illegible]	1
TOTAL	11,824	[illegible]

NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY 7.5.

FUR SEAL INDUSTRY OF THE PRIBILOF ISLANDS

A total of 95,974 sealskins was harvested on the Pribilof Islands in 1961--the third largest production in this century. Only in 1943 (117,184 skins) and in 1956 (122,826 skins) was the yield greater. During the season (July 2 to August 15), 82,099 male and 13,875 female skins were taken, compared with 36,320 male and 4,296 female skins during the 1960 season. Not included in these totals were rejected skins or those used for research purposes. The near-record yield in 1961, derived mostly from the 1957 and 1958 year classes, resulted from three principal factors:

(1) An unusual abundance of 3-year-olds, which made up 70 percent of the seasonal total instead of the normal 60 percent.

(2) The long season of 45 days, 10 days more than the long-term average. Although it had been anticipated that deliberate killing of males would end on August 5 or 10, 3-year-old bachelors continued in such good supply, size, and quality that they were utilized until August 15. The accumulated 53,000-kill of both sexes through July was better than in any year since 1956. The seasonal peak of bachelor abundance, which formerly occurred within the last 10 days of July, has been trending later in recent years.

(3) The upper limit of the killable length range was raised this year from 45.75 inches to 47.75 inches. This contributed 7,000 additional males to the total. In 1960, less than 2,000 bachelors 46 inches and over were taken.

To carry out the objective of generally reducing the overall size of the herd as agreed at the Fourth International Fur Seal Commission meeting at Tokyo last February, cow-kill quotas for 1961 were set at 35,000 for St. Paul and 8,750 for St. George. An effort was made to take as many as possible of the females appearing in the regular drives; totals reached 10,495 and 3,623 killed on the respective islands by August 15. The remaining females in the quota were killed after the supply ship left on August 28 when manpower could be released from loading operations. The program was completed on September 7 at St. George and on September 14 at St. Paul, with total female kills for the season of 8,763 and 35,082 respectively, 5,140 and 24,587 of which were taken after the regular season. Because the fur is in moulting condition (stagey) so late in the season, the pelts were not salvaged.

The large kill in 1961 offered no threat to the seal resource. An ample breeding reserve of males was assured by escapement of a portion of the two important age groups during and after the season.

Fur Seal (bull)

CLASSES OF SEALS TAKEN ON THE PRIBILOF ISLANDS, BY AGE AND OVERALL MEASUREMENT, 1961

ITEM	ST. PAUL ISLAND		ST. GEORGE ISLAND		TOTAL		GRAND TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
BY AGE:							
1-YEAR-OLDS	15	-	-	-	15	-	15
2-YEAR-OLDS	2,820	35	891	8	3,711	43	3,754
3-YEAR-OLDS	48,458	1,119	9,413	297	57,871	1,416	59,287
4-YEAR-OLDS	15,344	2,006	4,492	587	19,836	2,593	22,429
5-YEAR-OLDS	532	1,068	218	373	750	1,441	2,191
6-YEAR-OLDS	-	1,167	14	375	14	1,542	1,556
7-YEAR-OLDS	-	577	-	242	-	819	819
8-YEAR-OLDS	-	500	-	182	-	682	682
9-YEAR-OLDS	-	703	-	248	-	951	951
10-YEAR-OLDS AND OLDER .	-	3,320	-	1,311	-	4,631	4,631
LESS REJECTS	94	238	4	5	98	243	341
TOTAL.	67,075	10,257	15,024	3,618	82,099	13,875	95,974
BY MEASUREMENT:							
GROUP I-UP TO 36.75 IN.	2	-	2	-	4	-	4
GROUP II-37 TO 40.75 IN.	1,170	-	420	-	1,590	-	1,590
GROUP III-41 TO 45.75 IN.	55,474	-	13,043	-	68,517	-	68,517
GROUP IV-46 TO 51.75 IN.	10,437	-	1,559	-	11,996	-	11,996
GROUP V-52 TO 57.75 IN.	85	-	4	-	89	-	89
GROUP VI-58 TO 63.75 IN.	1	-	-	-	1	-	1
UNCLASSIFIED.	-	10,495	-	3,623	-	14,118	14,118
LESS REJECTS.	94	238	4	5	98	243	341
TOTAL.	67,075	10,257	15,024	3,618	82,099	13,875	95,974

NOTE:--AGE WAS DETERMINED BY COUNTING GROWTH RIDGES ON CANINE TEETH OF A 10 PERCENT SAMPLE OF KILLED ANIMALS. MEASUREMENTS ARE OVERALL LENGTHS TAKEN ON THE KILLING FIELD.

DISTRIBUTION OF TAKE OF SEALSKINS, 1961

The fur seal treaty specifies that Canada and Japan are to receive 15 percent each of the skins taken on the Pribilof Islands. To ensure an impartial selection of their respective 15 percent, Canada made a random choice of numbers 6, 14, and 20; and Japan 3, 5, and 7 out of each 20 barrels of sealskins. This resulted in the following allocation of skins to the United States, Canada, and Japan:

ITEM	UNITED STATES	CANADA	JAPAN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
FROM ST. PAUL ISLAND:				
MALE SKINS	46,951	10,062	10,062	67,075
FEMALE SKINS	7,175	1,541	1,541	10,257
TOTAL SKINS	54,126	11,603	11,603	77,332
FROM ST. GEORGE ISLAND:				
MALE SKINS	10,518	2,253	2,253	15,024
FEMALE SKINS	2,536	541	541	3,618
TOTAL SKINS	13,054	2,794	2,794	18,642
FROM BOTH ISLANDS:				
MALE SKINS	57,469	12,315	12,315	82,099
FEMALE SKINS	9,711	2,082	2,082	13,875
GRAND TOTAL	67,180	14,397	14,397	95,974

NOTE:--DOES NOT INCLUDE 220 SKINS REJECTED DURING PROCESSING, 117 FEMALE SKINS FOR RESEARCH PURPOSES, 1 SKIN REJECTED ON THE FIELD, AND 3 SKINS MISCOUNTED AND NOT LOCATED.

SALE OF SEALSKINS, 1961

Two public and one special sealskin auction were held in St. Louis, Missouri, in 1961. A total of 62,706 skins was sold for the account of the United States Government. Gross receipts from the three auctions yielded $4,183,403. The offerings consisted of 44,234 conventionally processed skins which yielded $3,860,634 and 18,472 sheared skins which sold for $322,769. The latter were the first sheared "Lakoda" skins offered for sale. The average price of $21.06 per skin was far below the $87.28 received for conventionally processed skins. An additional three sheared "Lakoda" skins were sold at private sales for promotional purposes. These yielded $67.50.

A SMALL FAMILY OF FUR SEALS

PRODUCTION OF FUR SEAL MEAL AND OIL, 1961

The operation of the fur seal industrial products reduction plant on St. Paul Island was terminated on August 16. A total of 45,772 carcasses was processed into meal and oil. In 1961, production of industrial products amounted to 312 tons of meal and 52,458 gallons of oil.

ITEM	UNIT	QUANTITY	VALUE
MEAL	TONS	312	$24,130
OIL.	GALLONS	52,458	14,819

DISTRIBUTION OF PRIBILOF ISLANDS RECEIPTS, FISCAL YEAR 1961

ITEM	AMOUNT
COST OF HANDLING, DRESSING, DYEING, AND SELLING PRODUCTS. .	$1,647,897
COST OF ADMINISTRATION OF THE ISLANDS	1,743,674
PAYMENT TO THE STATE OF ALASKA.	536,809
NET RECEIPTS TO THE UNITED STATES GOVERNMENT.	559,379
TOTAL.	4,487,759

SECTION 8 - GREAT LAKES FISHERIES

The combined United States and Canadian commercial fish catch from the waters of the Great Lakes (113.4 million pounds) and the International Lakes of northern Minnesota (6.9 million pounds) was over 10 million pounds or 9 percent greater than in 1960. The catch in the Great Lakes was up 8.7 million pounds, and in the International Lakes, 1.5 million pounds. United States fishermen accounted for 59 percent of the landings. The Canadian catch increased from 42 million pounds in 1960 to 50 million pounds in 1961, while United States landings increased from 68 million to 71 million pounds. The Canadian catch of yellow perch from Lake Erie (17 million pounds) was 48 percent larger than in the previous year and accounted for most of the increased United States-Canadian landings. Alewives and tullibee were also landed in larger volume while other important species were taken in about the same volume as in 1960.

United States fishermen took 70.6 million pounds of fish valued at $7 million in 1961. Landings were 2.4 million pounds or 4 percent larger than in 1960, although the value of the catch was $162,000 or 2 percent less. Catches of alewives, carp, lake herring, and sheepshead were slightly above those taken in 1960; while smaller quantities of smelt, yellow perch, and yellow pike were taken.

Lake Michigan led all the other lakes in production with 25.6 million pounds or 36 percent of the total United States catch. Lake Erie was second (19.6 million pounds), followed by Lake Superior (14.7 million pounds). Lake Ontario, Lake Huron, and the International Lakes accounted for the remaining 10.7 million pounds.

Among the eight Great Lakes States, Michigan continued to lead in production with 24.5 million pounds. Wisconsin was in second place with 21.9 million pounds, followed by Ohio, 15.8 million pounds. These three States accounted for 88 percent of the volume and 91 percent of the value of the 1961 catch.

In 1961, a total of 3,773 men, 469 vessels of 5 net tons and over, and 1,480 other craft was employed in the commercial fisheries of this area. The number of vessels fishing was less than in the previous year. As a result of the poor economic condition of the Great Lakes fisheries for a number of years, there has been a steady decline in the number of vessels operated on the lakes. Since 1950, the number has dropped from 661 to 469--a decrease of 192 or 29 percent.

The sea lamprey invasion into the Great Lakes in the 1930's caused a drastic change in the abundance of fish. After decimating stocks of lake trout, the lamprey attacked whitefish and other species. Accompanying the decline in the abundance of lake trout and whitefish was a great increase in the number of fish, such as chubs and alewives, which formerly were preyed upon by the lake trout and whitefish.

Bureau efforts in the Great Lakes have been concentrated on bringing the sea lamprey under control, restoring lake trout stocks, and developing methods for capturing and utilizing supplies of presently abundant species.

Under the auspices of the International Great Lakes Fishery Commission, the U. S. Bureau of Commercial Fisheries and the Fisheries Research Board of Canada treated, with a selective toxicant, all tributary streams of Lake Superior known to contain larval sea lampreys. The project, started in 1958, represents a major accomplishment in the field of chemical control of an undesirable species. Success in controlling the sea lamprey in Lake Superior has brought renewed hope for other lakes where valuable stocks of commercial species have become virtually extinct. Artificially propagated lake trout are being used to restock Lake Superior. Survival of hatchery-planted trout has been excellent and growth rapid, indicating a promising future for rehabilitating the fishery.

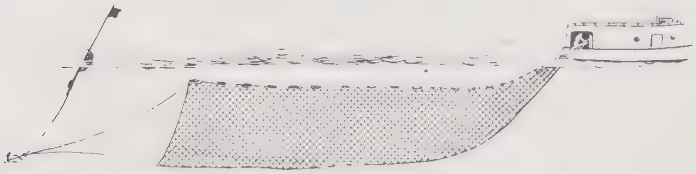
GREAT LAKES FISHERIES

Late in 1961, the Bureau's new research vessel Kaho, especially designed for exploratory fishing and gear research activities, joined the biological research vessel Cisco that has been used in fishery and environmental studies to learn more about factors that influence the abundance, growth, distribution, and movements of commercially important fish. The biological and exploratory fishing activities are part of an integrated Bureau program which also includes studies in processing, marketing, economics, and statistics of commercial fish. The object of this program is to develop optimum utilization of the commercial fishery resources of the Great Lakes.

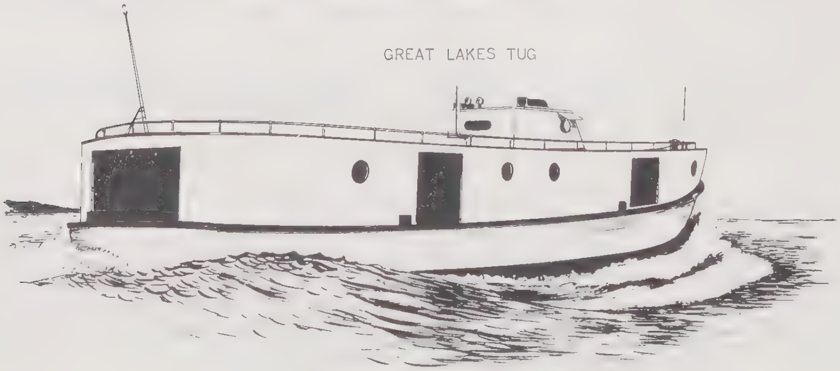
Much of the data in this section was assembled and prepared for publication by the Bureau's Branch of Statistics and Branch of Inland Fisheries from information collected by the following agencies: Dominion Bureau of Statistics of Canada; Illinois Department of Conservation; Indiana Department of Conservation, Division of Fish and Game; Michigan Department of Conservation; Minnesota Department of Conservation; New York Conservation Department, Division of Fish and Game; Ohio Department of Natural Resources, Division of Wildlife, Section of Fish Management; Pennsylvania Fish Commission; and Wisconsin Conservation Department.

Condensed summary data on the operating units and catch of the Great Lakes fisheries appearing on the following pages have previously been published in Current Fishery Statistics No. 3183. Seasonal variations in the catch of fish landed in Minnesota, Wisconsin, Michigan, and Ohio can be ascertained from monthly landing bulletins issued currently in cooperation with the fishery departments of those States. Additional specific data on many aspects of the Great Lakes fisheries may be found in the daily, monthly, and annual reports published by the Bureau's Chicago Fishery Market News Office.

GILL NET



GREAT LAKES TUG



SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1961

(THOUSANDS OF POUNDS)

SPECIES	LAKE ONTARIO			LAKE ERIE			LAKE ST. CLAIR
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL	CANADA
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BLUE PIKE	1	1	2	2	1	3	-
BOWFIN	2	17	19	(1)	285	285	9
BUFFALOFISH	-	-	-	19	-	19	-
BULLHEADS	71	185	256	89	41	130	9
BURBOT	1	(1)	1	7	(1)	7	-
CARP	49	314	363	4,699	252	4,951	230
CATFISH	3	14	17	1,626	128	1,754	79
CHUBS	(1)	-	(1)	-	-	-	-
CISCO	3	-	3	6	3	9	-
CRAPPIE	(1)	-	(1)	-	-	-	-
EELS, COMMON	30	125	155	-	(1)	(1)	-
GARFISH	(1)	-	(1)	-	-	-	-
GIZZARD SHAD	-	-	-	10	-	10	-
GOLDFISH	-	-	-	293	-	293	-
LAKE HERRING	-	51	51	-	-	-	-
LAKE TROUT	5	3	8	(1)	(1)	(1)	-
MOONEYE	-	-	-	2	-	2	-
PIKE OR PICKEREL	-	57	57	1	1	2	35
ROCK BASS	9	17	26	1	35	36	23
SAUGER	-	2	2	(1)	(1)	(1)	4
SHEEPSHEAD	(1)	16	16	5,764	1,116	6,880	22
SMELT	(1)	223	223	16	12,835	12,851	-
STURGEON	2	14	16	(1)	5	5	14
SUCKERS	19	50	69	330	73	403	132
SUNFISH	19	119	138	-	27	27	31
WHITE BASS	8	30	38	2,192	3,334	5,526	30
WHITEFISH:							
COMMON	59	572	631	6	9	15	-
MENOMINEE	-	1	1	-	-	-	-
WHITE PERCH	1	-	1	-	-	-	-
YELLOW PERCH	68	173	241	3,695	17,284	20,979	22
YELLOW PIKE	1	125	126	805	269	1,074	236
TOTAL	351	2,109	2,460	19,563	35,698	55,261	876

SPECIES	LAKE HURON			LAKE MICHIGAN	LAKE SUPERIOR		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	12	-	12	3,199	(1)	-	(1)
BOWFIN	2	8	10	(1)	-	-	-
BULLHEADS	12	1	13	33	-	-	-
BURBOT	(1)	1	1	5	5	4	9
CARP	1,437	43	1,480	1,842	(1)	(1)	(1)
CATFISH	239	12	251	1	-	-	-
CHUBS	3,197	2,373	5,570	12,133	1,186	81	1,267
CRAPPIE	3	-	3	-	-	-	-
GARFISH	-	-	-	(1)	-	-	-
LAKE HERRING	68	21	89	177	11,457	1,777	13,234
LAKE TROUT	-	2	2	(1)	323	48	371
PIKE OR PICKEREL	178	52	230	51	(1)	2	2
QUILLBACK	8	-	8	-	-	-	-
ROCK BASS	8	1	9	(1)	-	-	-
SAUGER	(1)	(1)	(1)	(1)	(1)	38	38
SHEEPSHEAD	32	29	61	2	-	-	-
SMELT	32	1	33	2,152	1,340	(1)	1,340
STURGEON	1	19	20	2	(1)	8	8
SUCKERS	551	230	781	494	47	21	68
SUNFISH	-	(1)	(1)	-	-	-	-
WHITE BASS	12	17	29	(1)	-	-	-
WHITEFISH:							
COMMON	438	1,027	1,465	395	343	119	4[illegible]2
MENOMINEE	9	13	22	17	42	[illegible]	49
YELLOW PERCH	598	1,093	1,691	4,959	5	22	2[illegible]
YELLOW PIKE	81	264	345	97	1	22	22[illegible]
CRAWFISH	-	-	-	(1)	-	-	-
TOTAL	6,918	5,207	12,125	25,559	14,[illegible]49	2,[illegible]4	1[illegible],1[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1961 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, GREAT LAKES			LAKE OF THE WOODS		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	3,211	-	3,211	-	-	-
BLUE PIKE	3	2	5	-	-	-
BOWFIN	4	319	323	-	-	-
BUFFALOFISH	19	-	19	(1)	-	(1)
BULLHEADS	205	236	441	14	28	42
BURBOT	18	5	23	398	366	764
CARP	8,027	839	8,866	-	(1)	(1)
CATFISH	1,869	233	2,102	-	-	-
CHUBS	16,516	2,454	18,970	-	-	-
CISCO	9	3	12	-	-	-
CRAPPIE	3	-	3	-	-	-
EELS, COMMON	30	125	155	-	-	-
GARFISH	(1)	-	(1)	-	-	-
GIZZARD SHAD	10	-	10	-	-	-
GOLDFISH	293	-	293	-	-	-
LAKE HERRING	11,702	1,849	13,551	-	-	-
LAKE TROUT	328	53	381	-	3	3
MOONEYE	2	-	2	(1)	-	(1)
PIKE OR PICKEREL	230	147	377	58	290	348
QUILLBACK	8	-	8	(1)	-	(1)
ROCK BASS	18	76	94	-	28	28
SAUGER	(1)	44	44	95	48	143
SHEEPSHEAD	5,798	1,183	6,981	-	-	-
SMELT	3,540	13,059	16,599	-	-	-
STURGEON	5	60	65	-	-	-
SUCKERS	1,441	506	1,947	209	315	524
SUNFISH	19	177	196	-	-	-
TULLIBEE	-	-	-	2,160	233	2,393
WHITE BASS	2,212	3,411	5,623	-	-	-
WHITEFISH:						
COMMON	1,241	1,727	2,968	(1)	63	63
MENOMINEE	68	21	89	-	-	-
WHITE PERCH	1	-	1	-	-	-
YELLOW PERCH	9,325	18,594	27,919	26	15	41
YELLOW PIKE	985	1,121	2,106	318	1,062	1,380
CRAWFISH	(1)	-	(1)	-	-	-
TOTAL	67,140	46,244	113,384	3,276	2,451	5,729

SPECIES	NAMAKAN LAKE			RAINY LAKE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BURBOT	4	4	8	36	118	154
PIKE OR PICKEREL	-	1	1	10	114	124
ROCK BASS	-	(1)	(1)	-	3	3
SAUGER	-	-	-	(1)	(1)	(1)
STURGEON	-	2	2	-	3	3
SUCKERS	4	10	14	41	340	381
TULLIBEE	6	1	7	30	186	216
WHITEFISH, COMMON	26	(1)	26	32	47	79
YELLOW PERCH	-	-	-	(1)	1	1
YELLOW PIKE	-	3	3	34	165	199
TOTAL	40	21	61	183	977	1,160

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1961 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, INTERNATIONAL LAKES			GRAND TOTAL, ALL LAKES		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	-	-	-	3,211	-	3,211
BLUE PIKE	-	-	-	3	2	5
BOWFIN	-	-	-	4	319	323
BUFFALOFISH	(1)	-	(1)	19	-	19
BULLHEADS	14	28	42	219	264	483
BURBOT	438	488	926	456	493	949
CARP	-	(1)	(1)	8,027	839	8,866
CATFISH	-	-	-	1,869	233	2,102
CHUBS	-	-	-	16,516	2,454	18,970
CISCO	-	-	-	9	3	12
CRAPPIE	-	-	-	3	-	3
EELS, COMMON	-	-	-	30	125	155
GARFISH	-	-	-	(1)	-	(1)
GIZZARD SHAD	-	-	-	10	-	10
GOLDFISH	-	-	-	293	-	293
LAKE HERRING	-	-	-	11,702	1,849	13,551
LAKE TROUT	-	3	3	328	56	384
MOONEYE	(1)	-	(1)	2	-	2
PIKE OR PICKEREL	68	405	473	298	552	850
QUILLBACK	(1)	-	(1)	8	-	8
ROCK BASS	-	31	31	18	107	125
SAUGER	95	48	143	95	92	187
SHEEPSHEAD	-	-	-	5,798	1,183	6,981
SMELT	-	-	-	3,540	13,059	16,599
STURGEON	-	5	5	5	65	70
SUCKERS	254	665	919	1,695	1,171	2,866
SUNFISH	-	-	-	19	177	196
TULLIBEE	2,196	420	2,616	2,196	420	2,616
WHITE BASS	-	-	-	2,212	3,411	5,623
WHITEFISH:						
COMMON	58	110	168	1,299	1,837	3,136
MENOMINEE	-	-	-	68	21	89
WHITE PERCH	-	-	-	1	-	1
YELLOW PERCH	26	16	42	9,351	18,610	27,961
YELLOW PIKE	352	1,230	1,582	1,337	2,351	3,688
CRAWFISH	-	-	-	(1)	-	(1)
TOTAL	3,501	3,449	6,950	70,641	49,693	120,334

1/ LESS THAN 500 POUNDS.

NOTE:--IN CANADA THE CATCHES OF ALEWIVES AND GARFISH HAVE BEEN INCLUDED WITH BOWFIN AND THE CATCH OF CRAPPIES WITH ROCK BASS.

SUMMARY OF UNITED STATES CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	TOTAL	
	QUANTITY	VALUE
NEW YORK	897	142
PENNSYLVANIA	1,286	147
OHIO	15,810	1,398
MICHIGAN	24,535	2,931
INDIANA	14	2
ILLINOIS	340	54
WISCONSIN	21,924	1,988
MINNESOTA	5,835	309
TOTAL	70,641	6,971

GREAT LAKES FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF UNITED STATES OPERATING UNITS BY LAKES, 1961

ITEM	LAKE ONTARIO	LAKE ERIE	LAKE HURON	LAKE MICHIGAN
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	4	319	250	532
ON BOATS AND SHORE:				
REGULAR	-	142	40	66
CASUAL	73	561	279	769
TOTAL	77	1,022	569	1,367
VESSELS, MOTOR	1	110	82	184
GROSS TONNAGE	10	1,425	1,393	4,075
BOATS:				
MOTOR	36	368	172	362
OTHER	2	159	78	36
GEAR:				
HAUL SEINES, COMMON	1	69	23	13
LENGTH, YARDS	230	59,070	12,530	8,040
OTTER TRAWLS, FISH	-	5	-	13
YARDS AT MOUTH	-	85	-	314
POUND NETS	-	5	19	243
TRAP NETS	51	1,894	574	143
FYKE AND HOOP NETS	48	42	9	95
GILL NETS:				
1-1/4 - 2 INCH MESH	-	-	1	43
SQUARE YARDS	-	-	100	22,600
2-1/8 - 3-7/8 INCH MESH	14	64	199	902
SQUARE YARDS	28,800	370,100	1,048,100	3,334,900
4 - 7 INCH MESH	6	86	39	268
SQUARE YARDS	31,500	423,100	180,900	1,229,600
7-1/8 - 14 INCH MESH	3	1	59	28
SQUARE YARDS	5,400	1,000	121,400	35,800
LINES:				
HAND	-	1	2	6
HOOKS	-	2	2	6
LONG OR SET WITH HOOKS	-	391	101	2
HOOKS	-	69,760	43,940	735
DIP NETS	-	6	-	-

ITEM	LAKE SUPERIOR	LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE	GRAND TOTAL, EXCLUSIVE OF DUPLICATION, ALL LAKES
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	309	6	1,347
ON BOATS AND SHORE:			
REGULAR	55	37	325
CASUAL	378	41	2,101
TOTAL	742	84	3,773
VESSELS, MOTOR	114	2	469
GROSS TONNAGE	1,861	49	8,309
BOATS:			
MOTOR	221	38	1,197
OTHER	5	3	283
GEAR:			
HAUL SEINES, COMMON	1	-	107
LENGTH, YARDS	280	-	80,150
OTTER TRAWLS, FISH	-	2	19
YARDS AT MOUTH	-	45	420
POUND NETS	115	6	388
TRAP NETS	24	26	2,653
FYKE AND HOOP NETS	1	11	203
GILL NETS:			
1-1/4 - 2 INCH MESH	7	-	51
SQUARE YARDS	5,600	-	28,300
2-1/8 - 3-7/8 INCH MESH	533	-	1,687
SQUARE YARDS	1,839,900	-	6,465,300
4 - 7 INCH MESH	287	178	856
SQUARE YARDS	2,156,400	97,600	4,077,300
7-1/8 - 14 INCH MESH	-	-	91
SQUARE YARDS	-	-	163,600
LINES:			
HAND	-	-	9
HOOKS	-	-	10
TROLL	62	-	62
HOOKS	62	-	62
LONG OR SET WITH HOOKS	-	-	494
HOOKS	-	-	114,435
DIP NETS	-	-	6

SUMMARY OF OPERATING UNITS BY STATES AND LAKES, 1961

ITEM	NEW YORK			PENNSYLVANIA	OHIO
	LAKE ONTARIO	LAKE ERIE	TOTAL, EXCLUSIVE OF DUPLICATION	LAKE ERIE	LAKE ERIE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	4	20	24	44	252
ON BOATS AND SHORE:					
REGULAR	-	-	-	1	124
CASUAL	73	8	81	8	493
TOTAL	77	28	105	53	869
VESSELS, MOTOR	1	5	6	12	91
GROSS TONNAGE	10	63	73	159	1,195
BOATS:					
MOTOR	36	4	40	5	335
OTHER	2	-	2	1	136
GEAR:					
HAUL SEINES, COMMON	1	-	1	-	57
LENGTH, YARDS	230	-	230	-	50,760
OTTER TRAWLS, FISH	-	-	-	2	3
YARDS AT MOUTH	-	-	-	40	45
POUND NETS	-	-	-	5	-
TRAP NETS	51	-	51	-	1,736
FYKE AND HOOP NETS	48	-	48	-	24
GILL NETS:					
2-1/8 - 3-7/8 INCH MESH	14	11	25	16	42
SQUARE YARDS	28,800	61,200	90,000	147,300	205,900
4 - 7 INCH MESH	6	12	18	7	67
SQUARE YARDS	31,500	93,900	125,400	97,300	254,000
7-1/8 - 14 INCH MESH	3	1	4	-	-
SQUARE YARDS	5,400	1,000	6,400	-	-
LINES, LONG OR SET WITH HOOKS	-	-	-	-	390
HOOKS	-	-	-	-	69,710
DIP NETS	-	-	-	-	6

ITEM	MICHIGAN				
	LAKE ERIE	LAKE HURON	LAKE MICHIGAN	LAKE SUPERIOR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	24	250	270	200	693
ON BOATS AND SHORE:					
REGULAR	17	40	37	22	116
CASUAL	52	279	401	238	970
TOTAL	93	569	708	460	1,779
VESSELS, MOTOR	8	82	87	70	231
GROSS TONNAGE	84	1,393	1,861	1,178	4,192
BOATS:					
MOTOR	24	172	201	117	514
OTHER	22	78	17	5	122
GEAR:					
HAUL SEINES, COMMON	12	23	1	1	37
LENGTH, YARDS	8,310	12,530	460	280	21,580
OTTER TRAWLS, FISH	-	-	4	-	4
YARDS AT MOUTH	-	-	93	-	93
POUND NETS	-	19	166	44	229
TRAP NETS	170	574	141	24	871
FYKE AND HOOP NETS	18	6	5	1	30
GILL NETS:					
1-1/4 - 2 INCH MESH	-	1	38	3	42
SQUARE YARDS	-	100	13,000	600	13,700
2-1/8 - 3-7/8 INCH MESH	-	199	398	360	941
SQUARE YARDS	-	1,048,100	1,545,200	1,227,700	372,800
4 - 7 INCH MESH	4	39	157	178	370
SQUARE YARDS	4,800	180,900	756,500	1,488,100	2,388,500
7-1/8 - 14 INCH MESH	-	59	-	-	59
SQUARE YARDS	-	121,400	-	-	121,400
LINES:					
HAND	1	2	6	-	9
HOOKS	2	2	6	-	10
TROLL	-	-	-	62	62
HOOKS	-	-	-	62	62
LONG OR SET WITH HOOKS	1	101	2	-	104
HOOKS	50	43,940	735	-	44,725

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS BY STATES AND LAKES, 1961 - Continued

	INDIANA	ILLINOIS	WISCONSIN		
	LAKE MICHIGAN	LAKE MICHIGAN	LAKE MICHIGAN	LAKE SUPERIOR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	13	272	104	373
ON BOATS AND SHORE:					
REGULAR	-	-	29	1	30
CASUAL.	7	2	359	36	395
TOTAL	7	15	660	141	798
VESSELS, MOTOR.	-	4	101	42	142
GROSS TONNAGE	-	116	2,259	671	2,896
BOATS:					
MOTOR	6	1	154	15	169
OTHER	-	-	19	-	19
GEAR:					
HAUL SEINES, COMMON	-	-	12	-	12
LENGTH, YARDS	-	-	7,580	-	7,580
OTTER TRAWLS, FISH.	-	-	9	-	9
YARDS AT MOUTH.	-	-	221	-	221
POUND NETS.	-	-	77	51	128
TRAP NETS	-	-	2	-	2
FYKE AND HOOP NETS.	-	-	90	-	90
GILL NETS:					
1-1/4 - 2 INCH MESH . . .	-	-	7	4	11
SQUARE YARDS.	-	-	9,600	5,000	14,600
2-1/8 - 3-7/8 INCH MESH .	6	15	500	80	578
SQUARE YARDS.	1,700	99,900	1,806,000	404,000	2,198,000
4 - 7 INCH MESH	-	-	114	107	221
SQUARE YARDS.	-	-	498,200	680,000	1,178,200
7-1/8 - 14 INCH MESH. . .	-	-	28	-	28
SQUARE YARDS.	-	-	35,800	-	35,800

	MINNESOTA		
	LAKE SUPERIOR	LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	13	6	19
ON BOATS AND SHORE:			
REGULAR	17	37	54
CASUAL.	104	41	145
TOTAL	134	84	218
VESSELS, MOTOR.	5	2	7
GROSS TONNAGE	74	49	123
BOATS:			
MOTOR	89	38	127
OTHER	-	3	3
GEAR:			
OTTER TRAWLS, FISH.	-	2	2
YARDS AT MOUTH.	-	45	45
POUND NETS.	20	6	26
TRAP NETS	-	26	26
FYKE AND HOOP NETS.	-	11	11
GILL NETS:			
2-1/8 - 3-7/8 INCH MESH .	97	-	97
SQUARE YARDS.	231,600	-	231,600
4 - 7 INCH MESH	4	178	182
SQUARE YARDS.	9,300	97,600	106,900

CATCH BY STATES, 1961

SPECIES	NEW YORK		PENNSYLVANIA		OHIO	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	600	$205	200	$39	2,000	$695
BOWFIN	2,200	43	-	-	-	-
BUFFALOFISH	-	-	(1)	(1)	18,000	2,338
BULLHEADS	71,000	19,852	100	17	79,600	12,741
BURBOT	1,000	65	1,300	38	6,200	124
CARP	49,300	986	2,700	55	3,397,500	135,900
CATFISH	3,900	707	1,300	232	1,538,400	338,448
CHUBS	(1)	4	-	-	-	-
CISCO	4,800	1,714	1,300	391	2,500	1,002
CRAPPIE	300	35	-	-	-	-
EELS	30,300	4,550	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
GIZZARD SHAD	-	-	-	-	8,000	80
GOLDFISH	-	-	-	-	293,000	8,788
LAKE TROUT	5,100	2,794	(1)	5	-	-
MOONEYE	-	-	-	-	1,600	24
ROCK BASS	9,200	647	-	-	-	-
SAUGER	-	-	-	-	100	17
SHEEPSHEAD	12,400	372	25,700	483	5,631,800	112,635
SMELT	900	99	900	31	14,700	1,968
STURGEON	2,200	2,333	(1)	32	200	175
SUCKERS	28,200	566	3,800	130	254,100	10,166
SUNFISH	19,100	2,101	-	-	-	-
WHITE BASS	30,400	3,123	105,200	9,819	1,905,400	285,805
WHITEFISH, COMMON	59,600	23,365	1,900	1,121	3,600	2,862
WHITE PERCH	700	53	-	-	-	-
YELLOW PERCH	480,600	52,074	1,119,000	128,222	2,059,900	247,192
YELLOW PIKE	85,200	26,523	22,200	6,226	593,400	237,363
TOTAL	897,000	142,211	1,285,600	146,841	15,810,000	1,398,323

SPECIES	MICHIGAN		INDIANA		ILLINOIS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,094,200	$14,355	3,700	$47	-	-
BOWFIN	1,200	32	-	-	-	-
BUFFALOFISH	800	104	-	-	-	-
BULLHEADS	21,700	2,728	-	-	-	-
BURBOT	500	31	-	-	-	-
CARP	2,775,500	105,578	100	2	-	-
CATFISH	325,400	82,179	-	-	-	-
CHUBS	6,493,700	1,085,783	-	-	165,100	$28,231
CRAPPIE	2,900	713	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
GIZZARD SHAD	1,500	30	-	-	-	-
LAKE HERRING	7,458,800	434,312	100	7	400	24
LAKE TROUT	218,500	126,497	(1)	5	-	-
PIKE OR PICKEREL	187,600	32,509	-	-	-	-
QUILLBACK	8,500	282	-	-	-	-
ROCK BASS	9,100	1,342	-	-	-	-
SAUGER	200	41	-	-	-	-
SHEEPSHEAD	126,600	3,767	-	-	-	-
SMELT	1,398,500	46,232	200	8	-	-
STURGEON	2,500	2,445	-	-	-	-
SUCKERS	761,000	32,774	1,500	79	-	-
WHITE BASS	171,200	13,097	-	-	-	-
WHITEFISH:						
COMMON	938,900	487,644	-	-	-	-
MENOMINEE	32,500	6,538	-	-	-	-
YELLOW PERCH	2,233,900	333,611	8,000	1,198	175,000	26,075
YELLOW PIKE	269,800	117,651	-	-	-	-
TOTAL	24,535,000	2,930,475	13,600	1,346	340,500	54,330

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1961 - Continued

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	2,113,200	$27,470	-	-	3,211,100	$41,872
BLUE PIKE	-	-	-	-	2,800	939
BOWFIN	200	5	-	-	3,600	80
BUFFALOFISH	-	-	300	$18	19,100	2,460
BULLHEADS	32,000	3,195	14,400	1,098	218,800	39,631
BURBOT	10,000	505	437,200	13,126	456,200	13,889
CARP	1,801,400	54,042	-	-	8,026,500	296,563
CATFISH	100	18	-	-	1,869,100	421,584
CHUBS	9,752,800	1,001,122	104,400	12,500	16,516,000	2,127,640
CISCO	-	-	-	-	8,600	3,107
CRAPPIE	-	-	-	-	3,200	748
EELS	-	-	-	-	30,300	4,550
GARFISH	-	-	-	-	(1)	(1)
GIZZARD SHAD	-	-	-	-	9,500	110
GOLDFISH	-	-	-	-	293,000	8,788
LAKE HERRING	2,662,200	139,533	1,580,000	79,000	11,701,500	652,876
LAKE TROUT	102,600	68,732	1,800	640	328,000	198,673
MOONEYE	-	-	(1)	1	1,600	25
PIKE OR PICKEREL	42,600	6,383	68,100	5,389	298,300	44,281
QUILLBACK	-	-	100	3	8,600	285
ROCK BASS	-	-	-	-	18,300	1,989
SAUGER	-	-	95,100	9,417	95,400	9,475
SHEEPSHEAD	1,800	74	-	-	5,798,300	117,331
SMELT	1,480,000	53,515	644,600	32,000	3,539,800	133,853
STURGEON	-	-	-	-	4,900	4,985
SUCKERS	392,700	19,638	253,500	5,545	1,694,800	68,898
SUNFISH	-	-	-	-	19,100	2,101
TULLIBEE	-	-	2,196,200	63,895	2,196,200	63,895
WHITE BASS	(1)	1	-	-	2,212,200	311,845
WHITEFISH:						
COMMON	236,800	146,836	58,600	16,555	1,299,400	678,383
MENOMINEE	33,500	7,376	2,500	250	68,500	14,164
WHITE PERCH	-	-	-	-	700	53
YELLOW PERCH	3,248,600	454,799	25,700	2,459	9,350,700	1,245,830
YELLOW PIKE	14,100	5,059	352,100	67,171	1,336,800	459,993
CRAWFISH	(1)	(1)	-	-	(1)	(1)
TOTAL	21,924,600	1,988,303	5,834,600	309,067	70,640,900	6,970,896

1/ LESS THAN 50 POUNDS OR 50 CENTS.

NOTE:--THE MICHIGAN CATCH DOES NOT INCLUDE 37,200 POUNDS OF CARP VALUED AT $1,487 TAKEN FROM LAKE ST. CLAIR UNDER THE MICHIGAN DEPARTMENT OF CONSERVATION'S ROUGH FISH REMOVAL PROGRAM, NOR 46,200 POUNDS OF CARP VALUED AT $2,684 REMOVED FROM INLAND STREAMS.

CATCH BY LAKES AND STATES, 1961

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	500	$188	100	$17	200	$39
BOWFIN	2,200	43	-	-	-	-
BUFFALOFISH	-	-	-	-	(1)	(1)
BULLHEADS	71,000	19,852	-	-	100	17
BURBOT	1,000	62	(1)	3	1,300	38
CARP	49,100	982	200	4	2,700	55
CATFISH	3,000	497	900	210	1,300	232
CHUBS	(1)	4	-	-	-	-
CISCO	2,500	784	2,300	930	1,300	391
CRAPPIE	300	35	-	-	-	-
EELS	30,300	4,550	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
LAKE TROUT	5,100	2,794	-	-	(1)	5
ROCK BASS	9,200	647	-	-	-	-
SHEEPSHEAD	(1)	1	12,400	371	25,700	483
SMELT	200	41	700	58	900	31
STURGEON	2,000	2,135	200	198	(1)	32
SUCKERS	18,700	375	9,500	191	3,800	130
SUNFISH	19,100	2,101	-	-	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1961 - Continued

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE BASS	7,900	$873	22,500	$2,250	105,200	$9,819
WHITEFISH, COMMON	59,200	23,082	400	283	1,900	1,121
WHITE PERCH	700	53	-	-	-	-
YELLOW PERCH	68,200	6,710	412,400	45,364	1,119,000	128,222
YELLOW PIKE	1,000	417	84,200	26,106	22,200	6,226
TOTAL	351,200	66,226	545,800	75,985	1,285,600	146,841

SPECIES	LAKE ERIE - CONTINUED					
	OHIO		MICHIGAN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	2,000	$695	-	-	2,300	$751
BOWFIN	-	-	(1)	(1)	(1)	(1)
BUFFALOFISH	18,000	2,338	800	$104	18,800	2,442
BULLHEADS	79,600	12,741	9,000	1,438	88,700	14,196
BURBOT	6,200	124	-	-	7,500	165
CARP	3,397,500	135,900	1,297,800	44,126	4,698,200	180,085
CATFISH	1,538,400	338,448	85,600	22,245	1,626,200	361,135
CISCO	2,500	1,002	-	-	6,100	2,323
GIZZARD SHAD	8,000	80	1,500	30	9,500	110
GOLDFISH	293,000	8,788	-	-	293,000	8,788
LAKE TROUT	-	-	-	-	(1)	5
MOONEYE	1,600	24	-	-	1,600	24
PIKE OR PICKEREL	-	-	1,200	166	1,200	166
ROCK BASS	-	-	600	163	600	163
SAUGER	100	17	-	-	100	17
SHEEPSHEAD	5,631,800	112,635	94,500	2,835	5,764,400	116,324
SMELT	14,700	1,968	(1)	1	16,300	2,058
STURGEON	200	175	100	34	500	439
SUCKERS	254,100	10,166	62,300	1,557	329,700	12,044
WHITE BASS	1,905,400	285,805	159,300	11,951	2,192,400	309,825
WHITEFISH, COMMON	3,600	2,862	-	-	5,900	4,266
YELLOW PERCH	2,059,900	247,192	103,600	15,541	3,694,900	436,319
YELLOW PIKE	593,400	237,363	105,100	45,191	804,900	314,886
TOTAL	15,810,000	1,398,323	1,921,400	145,382	19,562,800	1,766,531

SPECIES	LAKE HURON		LAKE MICHIGAN			
	MICHIGAN		MICHIGAN		INDIANA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	12,000	$287	1,082,100	$14,067	3,700	$47
BOWFIN	1,200	32	-	-	-	-
BULLHEADS	11,900	1,246	800	44	-	-
BURBOT	(1)	1	(1)	(1)	-	-
CARP	1,437,100	60,356	40,600	1,096	100	2
CATFISH	239,600	59,895	200	39	-	-
CHUBS	3,196,800	626,581	2,889,300	394,794	-	-
CRAPPIE	2,900	713	-	-	-	-
GARFISH	-	-	(1)	(1)	-	-
LAKE HERRING	68,000	7,480	84,500	10,375	100	7
LAKE TROUT	-	-	100	45	(1)	5
PIKE OR PICKEREL	177,700	31,451	8,400	855	-	-
QUILLBACK	8,500	282	-	-	-	-
ROCK BASS	8,300	1,162	200	17	-	-
SAUGER	100	18	(1)	10	-	-
SHEEPSHEAD	32,000	926	100	6	-	-
SMELT	31,400	1,476	1,240,500	39,693	200	8
STURGEON	800	799	1,500	1,518	-	-
SUCKERS	551,600	23,165	124,900	6,497	1,500	79
WHITE BASS	11,900	1,146	-	-	-	-
WHITEFISH:						
COMMON	438,100	236,991	252,100	126,289	-	-
MENOMINEE	9,300	1,858	8,300	2,479	-	-
YELLOW PERCH	598,000	99,260	1,527,500	218,340	8,000	1,198
YELLOW PIKE	80,800	37,647	82,800	34,426	-	-
TOTAL	6,918,000	1,192,772	7,343,900	850,590	13,600	1,346

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1961 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,113,200	$27,470	3,199,000	$41,584
BOWFIN	-	-	200	5	200	5
BULLHEADS	-	-	32,000	3,195	32,800	3,239
BURBOT	-	-	5,500	278	5,500	278
CARP	-	-	1,801,300	54,039	1,842,000	55,137
CATFISH	-	-	100	18	300	57
CHUBS	165,100	$28,231	9,078,700	883,147	12,133,100	1,306,172
GARFISH	-	-	-	-	(1)	(1)
LAKE HERRING	400	24	91,800	11,014	176,800	21,420
LAKE TROUT	-	-	(1)	11	100	61
PIKE OR PICKEREL	-	-	42,600	6,382	51,000	7,237
ROCK BASS	-	-	-	-	200	17
SAUGER	-	-	-	-	(1)	10
SHEEPSHEAD	-	-	1,800	74	1,900	80
SMELT	-	-	911,500	36,459	2,152,200	76,160
STURGEON	-	-	-	-	1,500	1,518
SUCKERS	-	-	368,100	18,407	494,500	24,983
WHITE BASS	-	-	(1)	1	(1)	1
WHITEFISH:						
COMMON	-	-	143,400	88,930	395,500	215,219
MENOMINEE	-	-	8,600	1,899	16,900	4,378
YELLOW PERCH	175,000	26,075	3,248,400	454,771	4,958,900	700,384
YELLOW PIKE	-	-	14,100	5,059	96,900	39,485
CRAWFISH	-	-	(1)	(1)	(1)	(1)
TOTAL	340,500	54,330	17,861,300	1,591,159	25,559,300	2,497,425

SPECIES	LAKE SUPERIOR							
	MICHIGAN		WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	100	$1	(1)	(1)	-	-	100	$1
BURBOT	500	30	4,500	$227	-	-	5,000	257
CARP	-	-	100	3	-	-	100	3
CHUBS	407,600	64,408	674,100	117,975	104,400	$12,500	1,186,100	194,883
LAKE HERRING	7,306,300	416,457	2,570,400	128,519	1,580,000	79,000	11,456,700	623,976
LAKE TROUT	218,400	126,452	102,600	68,721	1,800	640	322,800	195,813
PIKE OR PICKEREL	300	37	(1)	1	-	-	300	38
SAUGER	100	13	-	-	-	-	100	13
SMELT	126,600	5,062	568,500	17,056	644,600	32,000	1,339,700	54,118
STURGEON	100	94	-	-	-	-	100	94
SUCKERS	22,200	1,555	24,600	1,231	-	-	46,800	2,786
WHITEFISH:								
COMMON	248,700	124,364	93,400	57,906	500	250	342,600	182,520
MENOMINEE	14,900	2,201	24,900	5,477	2,500	250	42,300	7,928
YELLOW PERCH	4,800	670	200	28	-	-	5,000	698
YELLOW PIKE	1,100	387	-	-	-	-	1,100	387
TOTAL	8,351,700	741,731	4,063,300	397,144	2,333,800	124,640	14,748,800	1,263,515

SPECIES	LAKE OF THE WOODS		NAMAKAN LAKE		RAINY LAKE		TOTAL, ALL LAKES	
	MINNESOTA		MINNESOTA		MINNESOTA			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	-	-	3,211,100	$41,872
BLUE PIKE	-	-	-	-	-	-	2,800	939
BOWFIN	-	-	-	-	-	-	3,600	80
BUFFALOFISH	300	$18	-	-	-	-	19,100	2,460
BULLHEADS	14,400	1,098	-	-	-	-	218,800	39,631
BURBOT	397,500	11,926	3,900	$100	35,800	$1,100	456,200	13,889
CARP	-	-	-	-	-	-	8,026,500	296,563
CATFISH	-	-	-	-	-	-	1,869,100	421,584
CHUBS	-	-	-	-	-	-	16,516,000	2,127,640
CISCO	-	-	-	-	-	-	8,600	3,107
CRAPPIE	-	-	-	-	-	-	3,200	748
EELS	-	-	-	-	-	-	30,300	4,550
GARFISH	-	-	-	-	-	-	(1)	(1)
GIZZARD SHAD	-	-	-	-	-	-	9,500	110
GOLDFISH	-	-	-	-	-	-	293,000	8,788
LAKE HERRING	-	-	-	-	-	-	11,701,500	652,876
LAKE TROUT	-	-	-	-	-	-	328,000	198,673
MOONEYE	(1)	1	-	-	-	-	1,600	25
PIKE OR PICKEREL	58,100	4,589	-	-	10,000	800	298,300	44,281
QUILLBACK	100	3	-	-	-	-	8,600	285

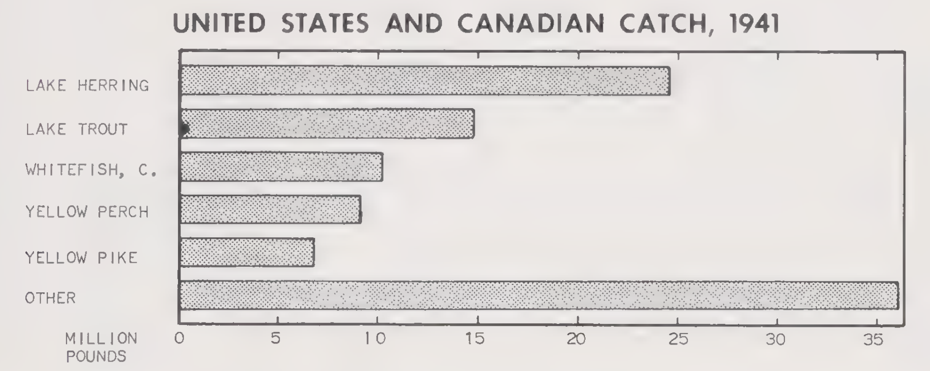
SEE FOOTNOTE AT END OF TABLE.

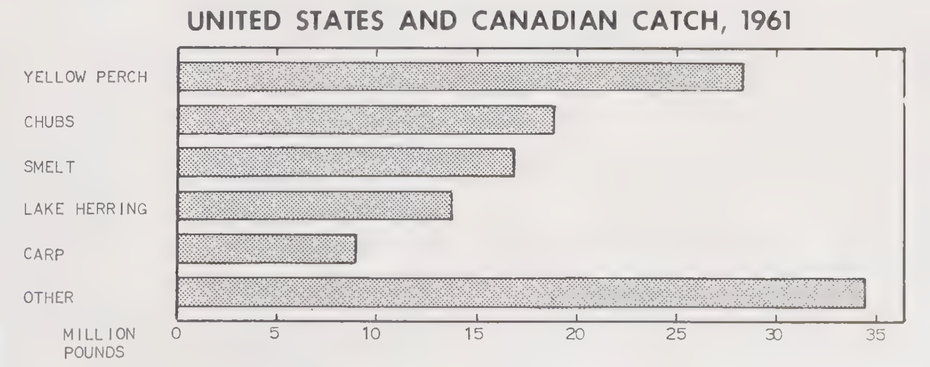
(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1961 - Continued

SPECIES	LAKE OF THE WOODS		NAMAKAN LAKE		RAINY LAKE		TOTAL, ALL LAKES	
	MINNESOTA		MINNESOTA		MINNESOTA			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ROCK BASS	-	-	-	-	-	-	18,300	$1,989
SAUGER	95,100	$9,417	-	-	(1)	(1)	95,400	9,475
SHEEPSHEAD	-	-	-	-	-	-	5,798,300	117,331
SMELT	-	-	-	-	-	-	3,539,800	133,853
STURGEON	-	-	-	-	-	-	4,900	4,985
SUCKERS	208,700	4,245	3,700	$100	41,100	$1,200	1,694,800	68,898
SUNFISH	-	-	-	-	-	-	19,100	2,101
TULLIBEE	2,160,300	63,195	6,100	100	29,800	600	2,196,200	63,895
WHITE BASS	-	-	-	-	-	-	2,212,200	311,845
WHITEFISH:								
COMMON	(1)	5	26,000	7,300	32,100	9,000	1,299,400	678,383
MENOMINEE	-	-	-	-	-	-	68,500	14,164
WHITE PERCH	-	-	-	-	-	-	700	53
YELLOW PERCH	25,600	2,449	-	-	100	10	9,350,700	1,245,830
YELLOW PIKE	318,300	56,971	-	-	33,800	10,200	1,336,800	459,993
CRAWFISH	-	-	-	-	-	-	(1)	(1)
TOTAL	3,278,400	153,917	39,700	7,600	182,700	22,910	70,640,900	6,970,896

1/ LESS THAN 50 POUNDS OR 50 CENTS.


UNITED STATES AND CANADIAN CATCH, 1941


UNITED STATES AND CANADIAN CATCH, 1961

MANUFACTURED FISHERY PRODUCTS, 1961

ITEM		NEW YORK		PENNSYLVANIA	
		QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	(1)	(1)	-	-
HERRING, SEA, SALTED	DO	(1)	(1)	-	-
LAKE TROUT, FILLETS:					
FRESH	DO	(1)	(1)	-	-
FROZEN	DO	(1)	(1)	-	-
SABLEFISH, SMOKED	DO	(1)	(1)	-	-
SALMON, SMOKED	DO	(1)	(1)	-	-
SAUGER FILLETS:					
FRESH	DO	(1)	(1)	-	-
FROZEN	DO	(1)	(1)	-	-
WHITE BASS, FRESH AND FROZEN FILLETS	DO	4,500	$1,650	4,000	$1,250
WHITEFISH:					
FILLETS:					
FRESH	DO	(1)	(1)	(1)	(1)
FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	-	-
YELLOW PERCH FILLETS:					
FRESH	DO	49,000	18,120	351,000	153,350
FROZEN	DO	23,000	9,850	80,000	30,800
YELLOW PIKE FILLETS:					
FRESH	DO	18,500	13,465	(1)	(1)
FROZEN	DO	12,000	9,020	(1)	(1)
UNCLASSIFIED PRODUCTS:					
PACKAGED FISH AND SHELLFISH, FROZEN 2/	DO	466,000	430,670	13,900	10,175
CURED	DO	138,172	97,499	-	-
TOTAL	-	-	580,274	-	195,575

ITEM		OHIO		MICHIGAN	
		QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	(1)	(1)	1,150,000	$570,295
HERRING, LAKE:					
FILLETS:					
FRESH	DO	(1)	(1)	22,500	5,100
FROZEN	DO	-	-	35,000	8,850
SALTED	DO	-	-	1,286,000	224,480
SMOKED	DO	-	-	(1)	(1)
HERRING, SEA, SALTED	DO	(1)	(1)	3,058,000	1,389,800
LAKE TROUT:					
FILLETS:					
FRESH	DO	3,990	$3,402	16,000	13,470
FROZEN	DO	-	-	6,335	6,741
SMOKED	DO	-	-	52,000	36,500
SABLEFISH, SMOKED	DO	(1)	(1)	470,000	282,000
SALMON, SMOKED	DO	(1)	(1)	520,500	582,450
SAUGER FILLETS:					
FRESH	DO	202,000	172,250	40,000	32,000
FROZEN	DO	60,000	56,000	-	-
WHITE BASS, FRESH AND FROZEN FILLETS	DO	16,850	7,199	(1)	(1)
WHITEFISH:					
FILLETS:					
FRESH	DO	54,200	40,740	12,000	9,750
FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	173,500	108,500
YELLOW PERCH FILLETS:					
FRESH	DO	749,550	356,680	376,600	154,830
FROZEN	DO	211,270	108,042	326,000	116,300
YELLOW PIKE FILLETS:					
FRESH	DO	180,825	150,094	203,000	128,600
FROZEN	DO	53,675	46,379	101,669	51,502
UNCLASSIFIED PRODUCTS:					
PACKAGED FISH AND SHELLFISH, FROZEN 2/	DO	19,181,590	6,796,609	40,350	19,985
CANNED	STANDARD CASES	-	-	3/34,145	3/334,649
CURED 4/	POUNDS	467,000	359,000	59,000	27,750
TOTAL	-	-	8,096,395	-	4,103,552

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

MANUFACTURED FISHERY PRODUCTS, 1961 - Continued

ITEM		ILLINOIS		WISCONSIN		MINNESOTA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	1,020,000	$586,700	1,699,000	$690,600	(1)	(1)
HERRING, LAKE:							
FILLETS:							
FRESH	DO	15,309	6,439	(1)	(1)	-	-
FROZEN	DO	2,000	750	-	-	-	-
SALTED	DO	-	-	535,000	78,500	(1)	(1)
SMOKED	DO	-	-	131,500	31,860	(1)	(1)
HERRING, SEA, SALTED	DO	5,700,000	2,986,000	(1)	(1)	(1)	(1)
LAKE TROUT:							
FILLETS:							
FRESH	DO	22,000	16,250	30,500	29,325	-	-
FROZEN	DO	24,000	17,525	13,620	13,115	-	-
SMOKED	DO	15,500	14,550	29,500	19,450	(1)	(1)
SABLEFISH, SMOKED	DO	316,000	165,450	52,000	27,950	-	-
SALMON, SMOKED	DO	716,000	1,156,000	74,000	49,660	(1)	(1)
SAUGER FILLETS:							
FRESH	DO	20,000	14,175	78,000	61,350	-	-
FROZEN	DO	7,000	4,350	18,000	16,690	-	-
STURGEON, SMOKED	DO	10,000	18,100	-	-	-	-
WHITE BASS, FRESH AND FROZEN FILLETS	DO	12,692	7,035	(1)	(1)	-	-
WHITEFISH:							
FILLETS:							
FRESH	DO	223,099	180,145	78,000	67,000	-	-
FROZEN	DO	130,992	84,594	30,670	18,999	-	-
SMOKED	DO	28,000	25,300	60,000	31,400	(1)	(1)
YELLOW PERCH FILLETS:							
FRESH	DO	47,832	34,499	740,200	352,900	-	-
FROZEN	DO	12,890	7,429	367,000	159,240	-	-
YELLOW PIKE FILLETS:							
FRESH	DO	141,625	115,409	95,000	86,050	-	-
FROZEN	DO	53,697	45,158	92,090	87,679	-	-
UNCLASSIFIED PRODUCTS:							
PACKAGED FISH AND SHELLFISH, FROZEN 2/	DO	78,000	99,900	631,400	295,516	-	-
CURED 4/	DO	63,000	32,000	460,000	247,000	905,000	$277,000
TOTAL	-	-	5,617,756	-	2,364,284	-	277,000

1/ INCLUDED WITH UNCLASSIFIED PRODUCTS.

2/ INCLUDES FRESH FILLETS OF LAKE HERRING, PIKE OR PICKEREL, AND WHITE BASS; FRESH AND FROZEN FILLETS OF LAKE TROUT, SAUGER, WHITEFISH, AND YELLOW PIKE; FROZEN STEAKS AND PORTIONS OF UNCLASSIFIED SPECIES; FROZEN COOKED SHRIMP; REFRIGERATED SHRIMP COCKTAIL; FROZEN BREADED COD, YELLOW PERCH, SHRIMP, OYSTERS, SCALLOPS, FISH FILLETS, FISH PORTIONS, AND FISH STICKS.

3/ INCLUDES CANNED ANCHOVY PASTE, FISH APPETIZERS, FISH SPREADS, AND ANIMAL FOOD (CONTAINING 10 OR MORE POUNDS OF FISH PER STANDARD CASE).

4/ INCLUDES SALTED LAKE HERRING, MACKEREL, AND SEA HERRING; LUTEFISK (FROM DRIED COD); SMOKED BUTTERFISH, CARP, CHUBS, CISCO, EELS, LAKE HERRING, LAKE TROUT, SABLEFISH, SALMON, WHITEFISH, AND WHITING.

SUMMARY OF MANUFACTURED PRODUCTS, 1961

(VALUE IN THOUSANDS OF DOLLARS)

SUMMARY OF ITEMS		QUANTITY	VALUE
FRESH AND FROZEN PACKAGED:			
NOT BREADED:			
FISH FILLETS, STEAKS, AND PORTIONS	1,000 POUNDS	5,980	3,380
SHELLFISH (SHRIMP)	DO	475	691
BREADED:			
FILLETS, PORTIONS, AND STICKS	DO	19,227	6,508
SHELLFISH	DO	167	184
CURED FISH:			
SALTED, PICKLED, AND LUTEFISK (FROM DRIED COD)	DO	12,049	5,261
SMOKED	DO	7,140	4,855
MISCELLANEOUS (CHILLED AND CANNED)	-	-	35[illegible]
TOTAL	-	-	21,2[illegible]

VALUE OF MANUFACTURED PRODUCTS, BY STATES, 1961

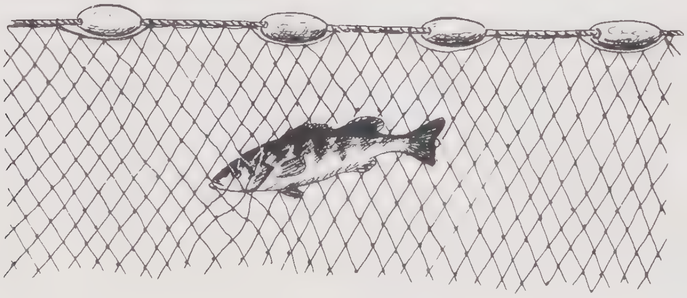
(THOUSANDS OF DOLLARS)

STATE	VALUE
NEW YORK	580
PENNSYLVANIA	196
OHIO	8,096
MICHIGAN	4,104
ILLINOIS	5,618
WISCONSIN	2,364
MINNESOTA	277
TOTAL	21,235

WHOLESALING AND MANUFACTURING, 1961

ITEM	NEW YORK	PENN-SYLVANIA	OHIO	INDIANA
	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:				
ESTABLISHMENTS	21	3	43	7
PERSONS ENGAGED:				
AVERAGE FOR SEASON	177	21	597	22
AVERAGE FOR YEAR	85	7	306	12

ITEM	ILLINOIS	MICHIGAN	MINNESOTA	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	44	67	11	51	247
PERSONS ENGAGED:					
AVERAGE FOR SEASON	807	721	139	589	3,073
AVERAGE FOR YEAR	657	373	48	330	1,818



GILL NET

LAKE ONTARIO - OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	TRAP NETS	FYKE AND HOOP NETS	GILL NETS			TOTAL, EXCLUSIVE OF DUPLICATION
				2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	-	-	4	4	-	4
ON BOATS AND SHORE, CASUAL	6	32	19	20	8	6	73
TOTAL	6	32	19	24	12	6	77
VESSELS, MOTOR.	-	-	-	1	1	-	1
GROSS TONNAGE	-	-	-	10	10	-	10
BOATS:							
MOTOR	2	16	10	10	4	3	36
OTHER	2	-	-	-	-	-	2
GEAR:							
NUMBER.	1	51	48	14	6	3	-
LENGTH, YARDS	230	-	-	-	-	-	-
SQUARE YARDS.	-	-	-	28,800	31,500	5,400	-

LAKE ERIE - OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	FYKE AND HOOP NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	6	15	4	198	-
ON BOATS AND SHORE:					
REGULAR	127	-	-	10	3
CASUAL.	149	-	-	21	11
TOTAL	282	15	4	229	14
VESSELS, MOTOR.	1	5	2	77	-
GROSS TONNAGE	13	76	14	985	-
BOATS:					
MOTOR	68	-	-	16	7
OTHER	68	-	-	91	-
GEAR:					
NUMBER.	69	5	5	1,894	42
LENGTH, YARDS	59,070	-	-	-	-
YARDS AT MOUTH.	-	85	-	-	-

ITEM	GILL NETS			LINES		DIP NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/4 - 14 INCH MESH	HAND	LONG OR SET WITH HOOKS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	107	98	-	-	2	-	319
ON BOATS AND SHORE:							
REGULAR	6	8	-	-	7	-	142
CASUAL.	31	70	2	1	311	6	561
TOTAL	144	176	2	1	320	6	1,022
VESSELS, MOTOR.	29	27	-	-	1	-	110
GROSS TONNAGE	403	377	-	-	11	-	1,425
BOATS:							
MOTOR	19	41	1	1	240	6	368
OTHER	-	-	-	-	-	-	159
GEAR:							
NUMBER.	64	86	1	1	391	6	-
SQUARE YARDS.	370,100	423,100	1,000	-	-	-	-
HOOKS	-	-	-	2	69,760	-	-

LAKE HURON - OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	POUND NETS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS
					1-1/4 - 2 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	4	3	93	-	-
ON BOATS AND SHORE:					
REGULAR	19	1	29	-	-
CASUAL.	69	11	67	1	1
TOTAL	92	15	189	1	1
VESSELS, MOTOR.	1	1	31	-	-
GROSS TONNAGE	9	10	320	-	-
BOATS:					
MOTOR	22	6	45	1	1
OTHER	22	2	63	-	-
GEAR:					
NUMBER.	23	19	574	6	1
LENGTH, YARDS	12,530	-	-	-	-
SQUARE YARDS.	-	-	-	-	100

ITEM	GILL NETS - CONTINUED			LINES		TOTAL, EXCLUSIVE OF DUPLICATION
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH	HAND	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	166	31	-	-	-	250
ON BOATS AND SHORE:						
REGULAR	7	5	22	-	16	40
CASUAL.	66	26	41	1	92	279
TOTAL	239	62	63	1	108	569
VESSELS, MOTOR.	54	10	-	-	-	82
GROSS TONNAGE	1,098	172	-	-	-	1,393
BOATS:						
MOTOR	48	17	22	1	66	172
OTHER	-	-	-	-	-	78
GEAR:						
NUMBER.	199	39	59	2	101	-
SQUARE YARDS.	1,048,100	180,900	121,400	-	-	-
HOOKS	-	-	-	2	43,940	-

LAKE MICHIGAN - OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS
						1-1/4 - 2 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	40	23	9	3	3
ON BOATS AND SHORE:						
REGULAR	9	-	48	12	14	2
CASUAL.	44	-	188	32	15	63
TOTAL	53	40	259	53	32	68
VESSELS, MOTOR.	-	13	8	3	1	1
GROSS TONNAGE	-	453	113	37	8	14
BOATS:						
MOTOR	13	-	86	18	15	34
OTHER	13	-	15	12	-	-
GEAR:						
NUMBER.	13	13	243	143	95	43
LENGTH, YARDS	8,040	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	-	22,600
YARDS AT MOUTH.	-	314	-	-	-	-

(CONTINUED ON NEXT PAGE)

LAKE MICHIGAN - OPERATING UNITS BY GEAR, 1961 - Continued

ITEM	GILL NETS - CONTINUED			LINES		TOTAL, EXCLUSIVE OF DUPLICATION
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH	HAND	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	472	207	2	-	-	532
ON BOATS AND SHORE:						
REGULAR	66	30	-	-	-	66
CASUAL	517	140	35	1	3	769
TOTAL	1,055	377	37	1	3	1,367
VESSELS, MOTOR	165	72	1	-	-	184
GROSS TONNAGE	3,598	1,495	20	-	-	4,075
BOATS:						
MOTOR	237	39	4	1	2	302
OTHER	-	-	-	-	-	36
GEAR:						
NUMBER	902	268	28	6	2	-
SQUARE YARDS	3,334,900	1,229,600	35,800	-	-	-
HOOKS	-	-	-	6	735	-

LAKE SUPERIOR - OPERATING UNITS BY GEAR, 1961

ITEM	HAUL SEINES, COMMON	POUND NETS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS			LINES, TROLL	TOTAL, EXCLUSIVE OF DUPLICATION
					1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS	-	27	3	-	-	268	213	5	309
ON BOATS AND SHORE:									
REGULAR	-	20	-	-	3	42	21	-	55
CASUAL	4	18	-	2	[illegible]	276	98	11	376
TOTAL	4	65	3	2	9	586	332	16	742
VESSELS, MOTOR	-	10	1	-	-	97	8	2	114
GROSS TONNAGE	-	139	18	-	-	1,[illegible]	1,253	25	1,861
BOATS:									
MOTOR	1	14	-	1	2	167	68	8	221
OTHER	1	3	1	-	-	-	-	-	5
GEAR:									
NUMBER	1	115	24	1	7	533	287	62	-
LENGTH, YARDS	280	-	-	-	-	-	-	-	-
SQUARE YARDS	-	-	-	-	5,600	1,839,900	2,156,400	-	-
HOOKS	-	-	-	-	-	-	-	62	-

LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE

OPERATING UNITS BY GEAR, 1961

ITEM	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS, 4 - 7 INCH MESH	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	6	-	-	-	-	6
ON BOATS AND SHORE:						
REGULAR	-	-	5	-	32	[illegible]
CASUAL	-	2	3	4	32	41
TOTAL	6	2	8	4	64	[illegible]
VESSELS, MOTOR	2	-	-	-	-	[illegible]
GROSS TONNAGE	49	-	-	-	-	[illegible]
BOATS:						
MOTOR	-	1	-	2	32	[illegible]
OTHER	-	1	2	-	-	[illegible]
GEAR:						
NUMBER	2	[illegible]	2[illegible]	11	1[illegible]	-
SQUARE YARDS	-	-	-	-	9[illegible]	-
YARDS AT MOUTH	45	-	-	-	-	-

CATCH BY LAKE, STATE, AND GEAR, 1961

SPECIES	LAKE ONTARIO					
	NEW YORK					
	HAUL SEINES		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	100	$27	-	-
BOWFIN	-	-	2,000	39	200	$4
BULLHEADS	3,000	$839	56,100	15,690	11,400	3,195
BURBOT	-	-	1,000	61	(1)	1
CARP	9,100	182	36,500	731	3,300	66
CATFISH	(1)	3	2,300	318	(1)	2
CHUBS	-	-	(1)	2	-	-
CISCO	-	-	200	43	-	-
CRAPPIE	-	-	300	30	(1)	5
EELS	-	-	30,000	4,500	300	50
GARFISH	-	-	(1)	(1)	-	-
ROCK BASS	-	-	9,100	637	100	4
SHEEPSHEAD	-	-	(1)	(1)	-	-
SMELT	-	-	(1)	7	-	-
SUCKERS	-	-	17,800	357	300	6
SUNFISH	300	31	18,300	2,019	500	51
WHITE BASS	-	-	900	103	(1)	1
WHITEFISH, COMMON	-	-	100	44	-	-
WHITE PERCH	-	-	600	46	100	7
YELLOW PERCH	-	-	23,000	1,380	1,600	95
YELLOW PIKE	-	-	300	79	-	-
TOTAL	12,400	1,055	198,600	26,113	17,800	3,487

SPECIES	LAKE ONTARIO - CONTINUED				LAKE ERIE	
	NEW YORK - CONTINUED				NEW YORK	
	GILL NETS		TOTAL		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	400	$161	500	$188	100	$17
BOWFIN	-	-	2,200	43	-	-
BULLHEADS	500	128	71,000	19,852	-	-
BURBOT	-	-	1,000	62	(1)	3
CARP	200	3	49,100	982	200	4
CATFISH	700	174	3,000	497	900	210
CHUBS	(1)	2	(1)	4	-	-
CISCO	2,300	741	2,500	784	2,300	930
CRAPPIE	-	-	300	35	-	-
EELS	-	-	30,300	4,550	-	-
GARFISH	-	-	(1)	(1)	-	-
LAKE TROUT	5,100	2,794	5,100	2,794	-	-
ROCK BASS	(1)	6	9,200	647	-	-
SHEEPSHEAD	(1)	1	(1)	1	12,400	371
SMELT	200	34	200	41	700	58
STURGEON	2,000	2,135	2,000	2,135	200	198
SUCKERS	600	12	18,700	375	9,500	191
SUNFISH	-	-	19,100	2,101	-	-
WHITE BASS	7,000	769	7,900	873	22,500	2,250
WHITEFISH, COMMON	59,100	23,038	59,200	23,082	400	283
WHITE PERCH	-	-	700	53	-	-
YELLOW PERCH	43,600	5,235	68,200	6,710	412,400	45,364
YELLOW PIKE	700	338	1,000	417	84,200	26,106
TOTAL	122,400	35,571	351,200	66,226	545,800	75,985

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	OTTER TRAWLS		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	(1)	$7	200	$32
BUFFALOFISH	-	-	-	-	(1)	(1)
BULLHEADS	-	-	-	-	100	17
BURBOT	(1)	(1)	-	-	1,300	38
CARP	-	-	2,600	52	100	3
CATFISH	-	-	400	79	900	153
CISCO	-	-	(1)	17	1,300	374
LAKE TROUT	-	-	-	-	(1)	5
SHEEPSHEAD	300	$6	17,000	375	8,400	102
SMELT	600	12	-	-	300	19
STURGEON	-	-	(1)	32	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	OTTER TRAWLS		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SUCKERS	(1)	(1)	2,000	$87	1,800	$43
WHITE BASS	-	-	76,100	7,609	29,100	2,210
WHITEFISH, COMMON	-	-	600	361	1,300	760
YELLOW PERCH	26,700	$2,673	83,300	7,497	1,009,000	118,052
YELLOW PIKE	-	-	4,600	1,517	17,600	4,709
TOTAL	27,600	2,691	186,600	17,633	1,071,400	126,517

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA - CONTINUED		OHIO			
	TOTAL		HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	200	$39	-	-	-	-
BUFFALOFISH	(1)	(1)	13,600	$1,761	-	-
BULLHEADS	100	17	52,100	8,335	-	-
BURBOT	1,300	38	-	-	-	-
CARP	2,700	55	3,006,900	120,277	-	-
CATFISH	1,300	232	884,900	194,667	-	-
CISCO	1,300	391	-	-	-	-
GIZZARD SHAD	-	-	3,600	36	-	-
GOLDFISH	-	-	288,500	8,653	-	-
LAKE TROUT	(1)	5	-	-	-	-
MOONEYE	-	-	1,300	19	-	-
SHEEPSHEAD	25,700	483	2,523,000	50,460	-	-
SMELT	900	31	-	-	13,700	$1,919
STURGEON	(1)	32	(1)	18	-	-
SUCKERS	3,800	130	9,800	391	-	-
WHITE BASS	105,200	9,819	391,300	58,697	-	-
WHITEFISH, COMMON	1,900	1,121	-	-	-	-
YELLOW PERCH	1,119,000	128,222	51,400	6,175	-	-
YELLOW PIKE	22,200	6,226	49,000	19,611	-	-
TOTAL	1,285,600	146,841	7,275,400	469,100	13,700	1,919

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED					
	TRAP NETS		FYKE AND HOOP NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	1,700	$597	-	-	300	$98
BUFFALOFISH	4,400	570	(1)	$3	-	-
BULLHEADS	24,600	3,943	300	43	200	36
BURBOT	5,600	112	-	-	600	12
CARP	349,100	13,962	1,100	45	34,300	1,373
CATFISH	439,800	96,761	4,400	966	10,600	2,328
CISCO	300	139	-	-	2,200	863
GIZZARD SHAD	3,100	31	-	-	1,300	13
GOLDFISH	3,900	117	-	-	600	18
MOONEYE	200	4	-	-	100	1
SAUGER	100	17	-	-	(1)	(1)
SHEEPSHEAD	3,070,200	61,403	1,200	25	33,100	662
SMELT	(1)	1	-	-	1,000	48
STURGEON	200	157	-	-	-	-
SUCKERS	238,300	9,531	500	21	5,400	219
WHITE BASS	1,414,900	212,240	31,500	4,725	67,600	10,135
WHITEFISH, COMMON	2,900	2,279	-	-	700	583
YELLOW PERCH	1,707,800	204,932	5,000	601	295,300	35,435
YELLOW PIKE	360,600	144,231	700	292	183,100	73,221
TOTAL	7,627,700	751,027	44,700	6,721	636,400	125,045

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED					
	LINES, LONG OR SET WITH HOOKS		DIP NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	-	-	2,000	$695
BUFFALOFISH	(1)	$4	-	-	18,000	2,338
BULLHEADS	2,100	343	300	$41	79,600	12,741

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED					
	LINES, LONG OR SET WITH HOOKS		DIP NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BURBOT	-	-	-	-	6,200	$124
CARP	5,500	$220	600	$23	3,397,500	135,900
CATFISH	198,600	43,697	100	29	1,538,400	338,448
CISCO	-	-	-	-	2,500	1,002
GIZZARD SHAD	-	-	-	-	8,000	80
GOLDFISH	(1)	(1)	-	-	293,000	8,788
MOONEYE	-	-	-	-	1,600	24
SAUGER	-	-	(1)	(1)	100	17
SHEEPSHEAD	4,200	83	100	2	5,631,800	112,635
SMELT	-	-	-	-	14,700	1,968
STURGEON	-	-	-	-	200	175
SUCKERS	(1)	(1)	100	4	254,100	10,166
WHITE BASS	100	7	(1)	1	1,905,400	285,805
WHITEFISH, COMMON	-	-	-	-	3,600	2,862
YELLOW PERCH	300	42	100	7	2,059,900	247,192
YELLOW PIKE	(1)	6	(1)	2	593,400	237,363
TOTAL	210,800	44,402	1,300	109	15,810,000	1,398,323

SPECIES	LAKE ERIE - CONTINUED					
	MICHIGAN					
	HAUL SEINES		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	(1)	(1)
BUFFALOFISH	-	-	800	$103	(1)	$1
BULLHEADS	3,900	$624	3,500	551	1,600	263
CARP	1,055,100	35,875	216,300	7,353	23,600	802
CATFISH	58,600	15,241	24,900	6,468	1,600	410
GIZZARD SHAD	-	-	1,500	30	-	-
PIKE OR PICKEREL	-	-	100	18	200	22
ROCK BASS	-	-	400	112	200	51
SHEEPSHEAD	3,300	100	87,700	2,630	3,200	96
SMELT	(1)	1	-	-	-	-
STURGEON	-	-	100	34	-	-
SUCKERS	400	10	60,500	1,513	1,300	32
WHITE BASS	7,100	531	147,000	11,028	5,200	392
YELLOW PERCH	800	124	94,300	14,143	8,500	1,269
YELLOW PIKE	1,700	735	97,600	41,953	1,600	712
TOTAL	1,130,900	53,241	734,700	85,936	47,000	4,050

SPECIES	LAKE ERIE - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	2,800	$96	-	-	-	-
CATFISH	400	104	-	-	100	$22
PIKE OR PICKEREL	900	126	-	-	-	-
SHEEPSHEAD	300	9	-	-	-	-
SUCKERS	100	2	-	-	-	-
YELLOW PERCH	-	-	(1)	$5	-	-
YELLOW PIKE	4,200	1,791	-	-	-	-
TOTAL	8,700	2,128	(1)	5	100	22

SPECIES	LAKE ERIE - CONTINUED		LAKE HURON			
	MICHIGAN - CONTINUED		MICHIGAN			
	TOTAL		HAUL SEINES		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	(1)	(1)	-	-	-	-
BUFFALOFISH	800	$104	-	-	-	-
BULLHEADS	9,000	1,438	100	$13	-	-
CARP	1,297,800	44,126	770,700	32,368	-	-
CATFISH	85,600	22,245	19,900	4,978	-	-
GIZZARD SHAD	1,500	30	-	-	-	-
PIKE OR PICKEREL	1,200	166	6,900	1,217	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE ERIE - CONTINUED		LAKE HURON			
	MICHIGAN - CONTINUED		MICHIGAN			
	TOTAL		HAUL SEINES		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ROCK BASS	600	$163	100	$10	-	-
SHEEPSHEAD	94,500	2,835	(1)	(1)	-	-
SMELT	(1)	1	-	-	31,000	$1,457
STURGEON	100	34	-	-	-	-
SUCKERS	62,300	1,557	44,900	1,884	-	-
WHITE BASS	159,300	11,951	(1)	(1)	-	-
WHITEFISH, COMMON	-	-	-	-	7,900	4,252
YELLOW PERCH	103,600	15,541	1,100	185	400	56
YELLOW PIKE	105,100	45,191	100	38	(1)	1
TOTAL	1,921,400	145,382	843,800	40,693	39,300	5,766

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	TRAP NETS		FYKE AND HOOP NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	11,500	$276	-	-	500	$11
BOWFIN	1,000	26	200	$6	(1)	(1)
BULLHEADS	8,600	899	3,200	332	(1)	1
BURBOT	-	-	-	-	(1)	1
CARP	135,800	5,701	3,800	160	525,000	22,051
CATFISH	43,600	10,900	600	151	3,300	826
CHUBS	(1)	(1)	-	-	3,196,800	626,581
CRAPPIE	2,900	713	-	-	(1)	(1)
LAKE HERRING	1,200	136	200	21	66,600	7,323
PIKE OR PICKEREL	134,200	23,749	9,900	1,756	26,600	4,711
QUILLBACK	8,500	282	-	-	-	-
ROCK BASS	6,800	955	1,300	186	100	11
SAUGER	(1)	1	-	-	100	17
SHEEPSHEAD	32,000	926	(1)	(1)	(1)	(1)
SMELT	-	-	-	-	400	19
STURGEON	800	799	-	-	-	-
SUCKERS	467,000	19,612	16,600	698	23,100	971
WHITE BASS	11,900	1,146	-	-	-	-
WHITEFISH:						
COMMON	374,600	202,654	-	-	55,600	30,085
MENOMINEE	(1)	4	(1)	3	9,300	1,851
YELLOW PERCH	263,000	43,658	14,600	2,426	318,700	52,697
YELLOW PIKE	76,700	35,762	700	341	3,100	1,433
TOTAL	1,580,100	348,199	51,100	6,080	4,229,200	748,789

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	LINES				TOTAL	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	12,000	$287
BOWFIN	-	-	-	-	1,200	32
BULLHEADS	-	-	(1)	$1	11,900	1,246
BURBOT	-	-	-	-	(1)	1
CARP	-	-	1,800	76	1,437,100	60,356
CATFISH	-	-	172,200	43,040	239,600	59,895
CHUBS	-	-	-	-	3,196,800	626,581
CRAPPIE	-	-	-	-	2,900	713
LAKE HERRING	-	-	-	-	68,000	7,480
PIKE OR PICKEREL	(1)	$6	100	12	177,700	31,451
QUILLBACK	-	-	-	-	8,500	282
ROCK BASS	-	-	-	-	8,300	1,162
SAUGER	-	-	-	-	100	18
SHEEPSHEAD	-	-	(1)	(1)	32,000	926
SMELT	-	-	-	-	31,400	1,476
STURGEON	-	-	-	-	800	799
SUCKERS	-	-	-	-	551,600	23,165
WHITE BASS	-	-	-	-	11,900	1,146
WHITEFISH:						
COMMON	-	-	-	-	438,100	236,991
MENOMINEE	-	-	-	-	9,300	1,858

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	LINES				TOTAL	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
YELLOW PERCH	200	$38	-	-	598,000	$99,260
YELLOW PIKE	-	-	200	$72	80,800	37,647
TOTAL	200	44	174,300	43,201	6,918,000	1,192,772

SPECIES	LAKE MICHIGAN					
	MICHIGAN					
	HAUL SEINES		OTTER TRAWLS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	354,500	$4,609	723,900	$9,411
BURBOT	-	-	-	-	(1)	(1)
CARP	23,600	$636	-	-	200	6
CHUBS 2/	-	-	828,700	34,199	100	9
LAKE HERRING	-	-	900	89	100	14
LAKE TROUT	-	-	(1)	1	-	-
PIKE OR PICKEREL	-	-	-	-	100	14
SHEEPSHEAD	-	-	-	-	(1)	(1)
SMELT	-	-	1,200	35	1,223,300	39,146
STURGEON	-	-	-	-	100	81
SUCKERS	400	20	-	-	1,600	84
WHITEFISH, COMMON	-	-	200	86	35,300	17,683
YELLOW PERCH	100	19	5,300	670	500	65
YELLOW PIKE	-	-	-	-	1,900	803
TOTAL	24,100	675	1,190,800	39,689	1,987,100	67,316

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	TRAP NETS		FYKE AND HOOP NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,100	$14	-	-	2,600	$33
BULLHEADS	400	21	200	$12	200	11
BURBOT	-	-	-	-	(1)	(1)
CARP	3,000	82	-	-	13,800	371
CATFISH	100	23	-	-	(1)	2
CHUBS 2/	-	-	-	-	2,060,500	360,586
GARFISH	-	-	-	-	(1)	(1)
LAKE HERRING	900	113	-	-	82,600	10,159
LAKE TROUT	-	-	-	-	100	44
PIKE OR PICKEREL	5,200	526	100	6	3,000	307
ROCK BASS	100	9	100	6	(1)	2
SAUGER	-	-	-	-	(1)	10
SHEEPSHEAD	(1)	2	-	-	100	4
SMELT	-	-	-	-	16,000	512
STURGEON	1,000	1,035	-	-	100	53
SUCKERS	83,000	4,316	2,400	128	37,400	1,946
WHITEFISH:						
COMMON	32,700	16,380	-	-	183,900	92,140
MENOMINEE	(1)	12	-	-	8,300	2,467
YELLOW PERCH	12,500	1,782	16,900	2,422	1,492,100	213,368
YELLOW PIKE	33,700	14,007	100	52	47,000	19,542
TOTAL	173,700	38,322	19,800	2,626	3,947,700	701,557

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	LINES				TOTAL	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	1,082,100	$14,067
BULLHEADS	-	-	-	-	800	44
BURBOT	-	-	-	-	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	LINES				TOTAL	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	(1)	$1	40,600	$1,096
CATFISH	-	-	100	14	200	39
CHUBS 2/	-	-	-	-	2,889,300	394,794
GARFISH	-	-	-	-	(1)	(1)
LAKE HERRING	-	-	-	-	84,500	10,375
LAKE TROUT	-	-	-	-	100	45
PIKE OR PICKEREL	-	-	(1)	2	8,400	855
ROCK BASS	-	-	-	-	200	17
SAUGER	-	-	-	-	(1)	10
SHEEPSHEAD	-	-	-	-	100	6
SMELT	-	-	-	-	1,240,500	39,693
STURGEON	-	-	300	349	1,500	1,518
SUCKERS	100	$3	-	-	124,900	6,497
WHITEFISH:						
COMMON	-	-	-	-	252,100	126,289
MENOMINEE	-	-	-	-	8,300	2,479
YELLOW PERCH	100	14	-	-	1,527,500	218,340
YELLOW PIKE	100	22	-	-	82,800	34,426
TOTAL	300	39	400	366	7,343,900	850,590

SPECIES	LAKE MICHIGAN - CONTINUED					
	INDIANA		ILLINOIS		WISCONSIN	
	GILL NETS		GILL NETS		HAUL SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	3,700	$47	-	-	-	-
BULLHEADS	-	-	-	-	1,100	$110
CARP	100	2	-	-	1,528,300	45,850
CHUBS	-	-	165,100	$28,231	-	-
LAKE HERRING	100	7	400	24	-	-
LAKE TROUT	(1)	5	-	-	-	-
PIKE OR PICKEREL	-	-	-	-	400	53
SHEEPSHEAD	-	-	-	-	600	26
SMELT	200	8	-	-	-	-
SUCKERS	1,500	79	-	-	1,700	84
YELLOW PERCH	8,000	1,198	175,000	26,075	-	-
YELLOW PIKE	-	-	-	-	800	270
TOTAL	13,600	1,346	340,500	54,330	1,532,900	46,393

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	OTTER TRAWLS		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,693,800	$22,019	397,300	$5,165	(1)	(1)
BURBOT	-	-	5,500	276	(1)	$1
CARP	-	-	100	3	-	-
CHUBS 2/	5,389,200	219,037	100	10	(1)	8
LAKE HERRING	2,800	332	900	107	-	-
PIKE OR PICKEREL	-	-	200	30	-	-
SMELT	334,400	13,377	552,300	22,092	-	-
SUCKERS	-	-	7,200	359	200	13
WHITEFISH:						
COMMON	-	-	44,200	27,392	(1)	12
MENOMINEE	-	-	1,700	369	-	-
YELLOW PERCH	9,400	1,314	800	115	(1)	6
YELLOW PIKE	-	-	100	29	-	-
TOTAL	7,429,600	256,079	1,010,400	55,947	200	40

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	FYKE AND HOOP NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	6,400	$82	15,700	$204	2,113,200	[illegible]
BOWFIN	-	-	200	5	200	

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	FYKE AND HOOP NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BULLHEADS	30,600	$3,056	300	$29	32,000	$3,195
BURBOT	-	-	(1)	1	5,500	278
CARP	98,800	2,963	174,100	5,223	1,801,300	54,039
CATFISH	100	18	-	-	100	18
CHUBS 2/	-	-	3,689,400	664,092	9,078,700	883,147
LAKE HERRING	4,800	581	83,300	9,994	91,800	11,014
LAKE TROUT	-	-	(1)	11	(1)	11
PIKE OR PICKEREL	24,100	3,620	17,900	2,679	42,600	6,382
SHEEPSHEAD	1,200	47	(1)	1	1,800	74
SMELT	2,000	80	22,800	910	911,500	36,459
SUCKERS	225,700	11,284	133,300	6,667	368,100	18,407
WHITE BASS	(1)	1	-	-	(1)	1
WHITEFISH:						
COMMON	-	-	99,200	61,526	143,400	88,930
MENOMINEE	-	-	6,900	1,530	8,600	1,899
YELLOW PERCH	659,900	92,381	2,578,300	360,955	3,248,400	454,771
YELLOW PIKE	3,800	1,366	9,400	3,394	14,100	5,059
CRAWFISH	-	-	(1)	(1)	(1)	(1)
TOTAL	1,057,400	115,479	6,830,800	1,117,221	17,861,300	1,591,159

SPECIES	LAKE SUPERIOR					
	MICHIGAN					
	HAUL SEINES		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LAKE HERRING	-	-	100	$7	-	-
LAKE TROUT	-	-	600	347	-	-
PIKE OR PICKEREL	-	-	(1)	1	-	-
SMELT	-	-	103,000	4,119	-	-
STURGEON	-	-	(1)	40	-	-
SUCKERS	-	-	300	19	-	-
WHITEFISH:						
COMMON	-	-	33,900	16,948	77,900	$38,975
MENOMINEE	2,100	$310	100	13	-	-
YELLOW PIKE	-	-	200	49	-	-
TOTAL	2,100	310	138,200	21,543	77,900	38,975

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED					
	FYKE AND HOOP NETS		GILL NETS		LINES, TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100	$1	-	-
BURBOT	(1)	(1)	500	30	-	-
CHUBS	-	-	407,600	64,408	-	-
LAKE HERRING	(1)	$1	7,306,200	416,449	-	-
LAKE TROUT	-	-	217,700	126,056	100	$49
PIKE OR PICKEREL	-	-	300	36	-	-
SAUGER	-	-	100	13	-	-
SMELT	-	-	23,600	943	-	-
STURGEON	-	-	100	54	-	-
SUCKERS	-	-	21,900	1,536	-	-
WHITEFISH:						
COMMON	(1)	11	136,900	68,430	-	-
MENOMINEE	100	13	12,600	1,865	-	-
YELLOW PERCH	-	-	4,700	650	100	20
YELLOW PIKE	-	-	900	338	-	-
TOTAL	100	25	8,133,200	680,809	200	69

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED		WISCONSIN			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	100	$1	-	-	(1)	(1)
BURBOT	500	30	100	$6	4,400	$221

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED		WISCONSIN			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	100	$3	-	-
CHUBS	407,600	$64,408	(1)	3	674,100	$117,972
LAKE HERRING	7,306,300	416,457	700	37	2,569,700	128,482
LAKE TROUT	218,400	126,452	10,700	7,156	91,900	61,565
PIKE OR PICKEREL	300	37	-	-	(1)	1
SAUGER	100	13	-	-	-	-
SMELT	126,600	5,062	550,300	16,510	18,200	546
STURGEON	100	94	-	-	-	-
SUCKERS	22,200	1,555	9,700	486	14,900	745
WHITEFISH:						
COMMON	248,700	124,364	41,500	25,752	51,900	32,154
MENOMINEE	14,900	2,201	(1)	1	24,900	5,476
YELLOW PERCH	4,800	670	(1)	1	200	27
YELLOW PIKE	1,100	387	-	-	-	-
TOTAL	8,351,700	741,731	613,100	49,955	3,450,200	347,189

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN - CONTINUED		MINNESOTA			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	(1)	(1)	-	-	-	-
BURBOT	4,500	$227	-	-	-	-
CARP	100	3	-	-	-	-
CHUBS	674,100	117,975	-	-	104,400	$12,500
LAKE HERRING	2,570,400	128,519	-	-	1,580,000	79,000
LAKE TROUT	102,600	68,721	-	-	1,800	640
PIKE OR PICKEREL	(1)	1	-	-	-	-
SMELT	568,500	17,056	644,600	$32,000	-	-
SUCKERS	24,600	1,231	-	-	-	-
WHITEFISH:						
COMMON	93,400	57,906	-	-	500	250
MENOMINEE	24,900	5,477	-	-	2,500	250
YELLOW PERCH	200	28	-	-	-	-
TOTAL	4,063,300	397,144	644,600	32,000	1,689,200	92,640

SPECIES	LAKE SUPERIOR - CONTINUED		LAKE OF THE WOODS			
	MINNESOTA - CONTINUED		MINNESOTA			
	TOTAL		OTTER TRAWLS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BULLHEADS	-	-	(1)	$1	400	$33
BURBOT	-	-	35,100	1,053	73,000	2,188
CHUBS	104,400	$12,500	-	-	-	-
LAKE HERRING	1,580,000	79,000	-	-	-	-
LAKE TROUT	1,800	640	-	-	-	-
PIKE OR PICKEREL	-	-	-	-	1,500	118
QUILLBACK	-	-	100	3	-	-
SAUGER	-	-	-	-	5,500	546
SMELT	644,600	32,000	-	-	-	-
SUCKERS	-	-	6,800	206	1,100	23
TULLIBEE	-	-	548,200	16,445	17,800	516
WHITEFISH:						
COMMON	500	250	-	-	-	-
MENOMINEE	2,500	250	-	-	-	-
YELLOW PERCH	-	-	5,700	455	600	64
YELLOW PIKE	-	-	-	-	9,000	1,607
TOTAL	2,333,800	124,640	595,900	18,163	108,900	5,095

SPECIES	LAKE OF THE WOODS - CONTINUED			
	MINNESOTA - CONTINUED			
	TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	300	$18	-	-
BULLHEADS	900	71	6,900	$522
BURBOT	242,600	7,279	100	4

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1961 - Continued

SPECIES	LAKE OF THE WOODS - CONTINUED			
	MINNESOTA - CONTINUED			
	TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE
MOONEYE	(1)	$1	-	-
PIKE OR PICKEREL	20,300	1,602	2,800	$220
QUILLBACK	(1)	(1)	-	-
SAUGER	47,700	4,725	100	8
SUCKERS	30,400	608	600	12
TULLIBEE	221,000	6,409	(1)	(1)
WHITEFISH, COMMON	(1)	3	-	-
YELLOW PERCH	7,700	774	1,300	126
YELLOW PIKE	65,600	11,752	700	119
TOTAL	636,500	33,242	12,500	1,011

SPECIES	LAKE OF THE WOODS - CONTINUED			
	MINNESOTA - CONTINUED			
	GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	300	$18
BULLHEADS	6,200	$471	14,400	1,098
BURBOT	46,700	1,402	397,500	11,926
MOONEYE	(1)	(1)	(1)	1
PIKE OR PICKEREL	33,500	2,649	58,100	4,589
QUILLBACK	(1)	(1)	100	3
SAUGER	41,800	4,138	95,100	9,417
SUCKERS	169,800	3,396	208,700	4,245
TULLIBEE	1,373,300	39,825	2,160,300	63,195
WHITEFISH, COMMON	(1)	2	(1)	5
YELLOW PERCH	10,300	1,030	25,600	2,449
YELLOW PIKE	243,000	43,493	318,300	56,971
TOTAL	1,924,600	96,406	3,278,400	153,917

SPECIES	NAMAKAN LAKE		RAINY LAKE	
	MINNESOTA		MINNESOTA	
	GILL NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BURBOT	3,900	$100	35,800	$1,100
PIKE OR PICKEREL	-	-	10,000	800
SAUGER	-	-	(1)	(1)
SUCKERS	3,700	100	41,100	1,200
TULLIBEE	6,100	100	29,800	600
WHITEFISH, COMMON	26,000	7,300	32,100	9,000
YELLOW PERCH	-	-	100	10
YELLOW PIKE	-	-	33,800	10,200
TOTAL	39,700	7,600	182,700	22,910

1/ LESS THAN 50 POUNDS OR 50 CENTS.

2/ THE POUNDAGE AND VALUE OF THE CATCH OF CHUBS BY OTTER TRAWLS IN THE MICHIGAN AND WISCONSIN WATERS OF LAKE MICHIGAN INCLUDE 5,755,000 POUNDS, VALUED AT $170,274 TAKEN FOR ANIMAL FOOD.

SECTION 9 - MISSISSIPPI RIVER FISHERIES

Due to budgetary limitations, it was not possible to conduct a complete general canvass of the Mississippi River and its tributaries for 1961 data. The most recent complete survey of catch and operating unit data is for 1960. Surveys of the volume and value of the catch were conducted for the following States in 1961: Alabama, Illinois, Iowa, Louisiana, Minnesota, Montana, Tennessee, Wisconsin, and Wyoming. For the remainder of the States, 1960 data have been used. States for which 1960 figures are shown are Arkansas, Indiana, Kansas, Kentucky, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, and Texas. All operating unit data appearing in this Section are for the year 1960.

Wisconsin was the only State in which a 1961 survey was made that showed a gain in catch over the previous year. In all other States the catch declined.

The Bureau acknowledges the assistance of the following organizations in the collection of data appearing in this section: Alabama Department of Conservation, Division of Game and Fish, Arkansas Game and Fish Commission; Illinois Department of Conservation; Indiana Department of Conservation; Iowa State Conservation Commission; Kansas Forestry, Fish and Game Commission; Kentucky Department of Fish and Wildlife Resources; Louisiana Wild Life and Fisheries Commission; Missouri State Conservation Commission; Montana State Fish and Game Commission; Nebraska Game, Forestation, and Parks Commission; North Dakota State Game and Fish Department; Oklahoma Game and Fish Department; South Dakota Department of Game, Fish and Parks; Tennessee Game and Fish Commission; Texas Game and Fish Commission; Wisconsin Conservation Department; Wyoming Game and Fish Commission; and the Tennessee Valley Authority, Fish and Game Branch.

SUMMARY OF CATCH, VARIOUS YEARS

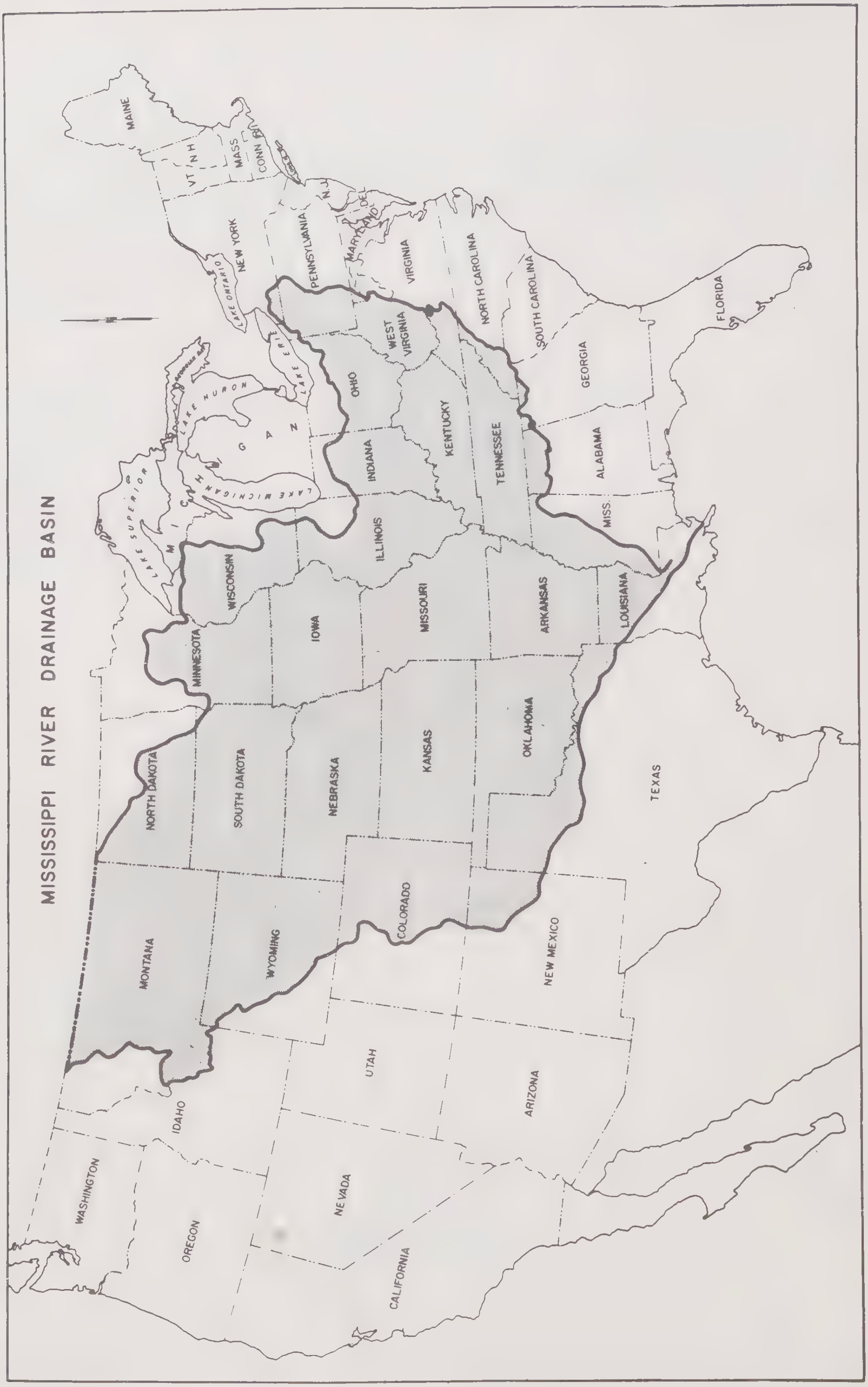
SECTIONAL SUMMARIES

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	YEAR	FISH		SHELLFISH, ETC.		TOTAL, VARIOUS YEARS	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	1961	2,026	368	9,336	601	11,362	969
ARKANSAS	1960	5,399	687	637	46	6,036	733
ILLINOIS	1961	6,074	594	109	5	6,183	599
INDIANA	1960	108	15	900	36	1,008	51
IOWA	1961	3,179	296	(1)	(1)	3,179	296
KANSAS	1960	60	8	-	-	60	8
KENTUCKY	1960	2,104	277	1,356	54	3,460	331
LOUISIANA	1961	6,544	942	1,510	401	8,054	1,343
MINNESOTA	1961	9,518	439	(1)	(1)	9,518	439
MISSISSIPPI	1960	2,185	309	9	19	2,194	328
MISSOURI	1961	372	33	2	(1)	374	33
MONTANA	1961	17	1	-	-	17	1
NEBRASKA	1960	541	39	-	-	541	39
NORTH CAROLINA	1960	827	35	-	-	827	35
OKLAHOMA	1960	334	42	-	-	334	42
SOUTH DAKOTA	1960	2,202	140	-	-	2,202	140
TENNESSEE	1961	5,045	745	4,236	253	9,281	998
TEXAS	1960	709	91	12	1	721	92
WISCONSIN	1961	10,248	503	5	1	10,253	504
WYOMING	1961	378	11	-	-	378	11
TOTAL, VARIOUS YEARS		57,870	5,575	18,112	1,417	75,982	6,992

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--ADDITIONAL 1961 CATCH STATISTICS FOR INLAND WATERS NOT INCLUDED IN THIS TABULATION WERE: ARIZONA, BUFFALOFISH 37,600 POUNDS, VALUED AT $5,700; COLORADO, CARP 47,500 POUNDS, VALUED AT $1,825; BULLHEADS, 4,500 POUNDS VALUED AT $600; SUCKERS, 4,000 POUNDS, VALUED AT $150; UTAH, CARP 632,400 POUNDS VALUED AT $18,971.



MISSISSIPPI RIVER DRAINAGE BASIN

MAINE
VT
N H
MASS
CONN
R I
NEW YORK
N J
PENNSYLVANIA
MARYLAND
DEL
VIRGINIA
WEST VIRGINIA
NORTH CAROLINA
SOUTH CAROLINA
FLORIDA
GEORGIA
ALABAMA
MISS.
TENNESSEE
KENTUCKY
OHIO
INDIANA
ILLINOIS
MICHIGAN
LAKE ONTARIO
LAKE ERIE
LAKE HURON
LAKE MICHIGAN
LAKE SUPERIOR
WISCONSIN
MINNESOTA
IOWA
MISSOURI
ARKANSAS
LOUISIANA
OKLAHOMA
TEXAS
KANSAS
NEBRASKA
SOUTH DAKOTA
NORTH DAKOTA
MONTANA
WYOMING
COLORADO
NEW MEXICO
ARIZONA
UTAH
IDAHO
WASHINGTON
OREGON
NEVADA
CALIFORNIA

SUMMARY OF OPERATING UNITS, 1960

ITEM	ALABAMA	ARKANSAS	ILLINOIS	INDIANA	IOWA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	285	615	181	-	152
CASUAL	344	1,047	473	113	529
TOTAL	629	1,662	654	113	681
BOATS:					
MOTOR	480	1,429	472	109	580
OTHER	134	79	89	-	36
GEAR:					
HAUL SEINES, COMMON	-	17	57	28	43
LENGTH, YARDS	-	3,800	16,050	3,200	10,500
WEIRS	-	-	-	-	8
POUND NETS	-	-	-	-	40
HOOP NETS	1,860	7,700	-	-	2,972
FYKE NETS	-	160	6,312	165	730
POTS AND TRAPS, FISH	-	-	2,908	-	4,062
GILL NETS, ANCHOR, SET OR STAKE	34	407	30	-	424
SQUARE YARDS	8,500	80,500	6,000	-	32,600
TRAMMEL NETS	60	282	385	-	240
SQUARE YARDS	18,000	62,800	77,600	-	47,000
LINES:					
LONG OR SET WITH HOOKS	3,225	4,530	549	135	1,635
HOOKS	322,500	326,500	49,700	10,000	159,750
SNAG	1,140	1,350	135	-	-
HOOKS	522,000	577,600	40,000	-	-
DIP NETS, COMMON	-	156	-	-	-
CROWFOOT BARS	368	87	64	50	-

ITEM	KANSAS	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	4	70	643	285	155
CASUAL	66	1,260	882	369	308
TOTAL	70	1,330	1,525	654	463
BOATS:					
MOTOR	66	1,315	1,512	281	357
OTHER	-	85	-	29	5
GEAR:					
HAUL SEINES, COMMON	5	20	2	29	-
LENGTH, YARDS	375	2,400	2,000	19,000	-
WEIRS	-	-	-	77	-
HOOP NETS	-	-	16,509	-	3,475
FYKE NETS	128	2,995	-	2,151	-
POTS AND TRAPS, CRAWFISH	-	-	14,435	-	-
GILL NETS, ANCHOR, SET OR STAKE	-	-	3,803	296	414
SQUARE YARDS	-	-	464,203	406,000	165,400
TRAMMEL NETS	37	30	1,600	-	72
SQUARE YARDS	10,640	10,000	142,621	-	24,400
LINES:					
HAND	-	-	33	-	-
HOOKS	-	-	33	-	-
LONG OR SET WITH HOOKS	127	1,915	3,654	75	1,655
HOOKS	1,536	121,000	344,160	7,500	546,150
SNAG	-	1,208	-	-	474
HOOKS	-	235,660	-	-	706,500
DIP NETS, COMMON	-	-	279	-	66
CROWFOOT BARS	-	160	-	-	-
GRABS, FROG	-	-	174	-	-

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	MISSOURI	MONTANA	NEBRASKA	NORTH DAKOTA	OKLAHOMA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	40	-	22	8	33
CASUAL	270	3	220	12	17
TOTAL	310	3	242	20	50
BOATS:					
MOTOR	310	2	227	5	50
OTHER	-	2	15	-	-
GEAR:					
HAUL SEINES, COMMON	-	-	31	-	-
LENGTH, YARDS	-	-	4,000	-	-
POUND NETS	-	24	-	12	-
HOOP NETS	-	-	1,348	-	-
FYKE NETS	1,272	-	80	210	-
POTS AND TRAPS, FISH	-	-	374	-	-
GILL NETS, ANCHOR, SET OR STAKE	-	-	-	-	107
SQUARE YARDS	-	-	-	-	50,750
TRAMMEL NETS	159	-	183	-	26
SQUARE YARDS	21,240	-	29,280	-	6,500
LINES, LONG OR SET WITH HOOKS	221	-	-	-	-
HOOKS	22,100	-	-	-	-

ITEM	SOUTH DAKOTA	TENNESSEE	TEXAS	WISCONSIN	WYOMING	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	2	654	63	69	3	3,284
CASUAL	31	692	201	489	2	7,328
TOTAL	33	1,346	264	558	5	10,612
BOATS:						
MOTOR	15	892	249	310	2	8,663
OTHER	5	333	-	39	1	852
GEAR:						
HAUL SEINES, COMMON	5	-	-	39	1	277
LENGTH, YARDS	5,000	-	-	29,000	1,000	96,325
OTTER TRAWLS, FISH	-	-	-	3	-	3
YARDS AT MOUTH	-	-	-	10	-	10
WEIRS	-	-	-	-	-	85
POUND NETS	-	-	-	-	-	76
TRAP NETS	-	-	-	97	-	97
HOOP NETS	-	4,456	305	-	-	38,625
FYKE NETS	200	1,110	-	599	-	16,112
POTS AND TRAPS:						
CRAWFISH	-	-	-	-	-	14,435
FISH	-	-	-	1,308	-	8,652
GILL NETS, ANCHOR, SET OR STAKE	13	151	360	129	-	6,168
SQUARE YARDS	8,600	55,632	40,000	115,200	-	1,433,385
TRAMMEL NETS	-	367	70	7	-	3,518
SQUARE YARDS	-	145,600	8,000	1,000	-	604,681
LINES:						
HAND	-	-	-	-	-	33
HOOKS	-	-	-	-	-	33
LONG OR SET WITH HOOKS	-	4,154	650	650	-	23,175
HOOKS	-	377,750	45,500	65,000	-	2,399,146
SNAG	-	1,478	-	-	-	5,785
HOOKS	-	693,400	-	-	-	2,775,160
DIP NETS, COMMON	-	175	-	-	-	676
CROWFOOT BARS	-	583	-	-	-	1,312
GRABS, FROG	-	-	-	-	-	174

CATCH BY STATES, VARIOUS YEARS

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALABAMA		ARKANSAS		ILLINOIS	
	1961		1960		1961	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	15	1	7	(1)
BUFFALOFISH	532	64	3,004	371	1,990	199
BULLHEADS	-	-	11	2	62	11
CARP	256	13	940	43	2,710	133
CATFISH	1,080	270	922	230	764	197
CRAPPIE	-	-	-	-	61	11
EELS, COMMON	-	-	-	-	(1)	(1)
GARFISH	-	-	94	5	1	(1)
PADDLEFISH	104	16	20	2	38	4
QUILLBACK	1	(1)	24	2	2	(1)
SHEEPSHEAD	52	5	357	29	422	37
STURGEON, SHOVELNOSE	1	(1)	12	2	12	2
SUCKERS	-	-	(1)	(1)	5	(1)
TOTAL FISH	2,026	368	5,399	687	6,074	594
SHELLFISH, ETC.						
MUSSEL SHELLS	9,336	572	595	10	100	3
PEARLS AND SLUGS	-	29	-	2	-	-
TURTLES:						
BABY	-	-	4	32	-	-
SLIDER	-	-	10	(1)	-	-
SNAPPER	-	-	25	2	9	2
SOFT-SHELL	-	-	3	(1)	-	-
TOTAL SHELLFISH, ETC.	9,336	601	637	46	109	5
GRAND TOTAL	11,362	969	6,036	733	6,183	599

SPECIES	INDIANA		IOWA		KANSAS	
	1960		1961		1960	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	(1)	(1)	-	-
BUFFALOFISH	20	2	973	95	8	2
BULLHEADS	-	-	32	7	-	-
CARP	35	1	1,269	54	42	4
CATFISH	36	10	413	103	5	2
EELS, COMMON	-	-	(1)	(1)	-	-
GARFISH	-	-	(1)	(1)	-	-
PADDLEFISH	2	1	13	1	1	(1)
QUILLBACK	2	(1)	1	(1)	3	(1)
SHEEPSHEAD	12	1	438	33	-	-
STURGEON, SHOVELNOSE	-	-	13	2	1	(1)
SUCKERS	1	(1)	27	1	-	-
TOTAL FISH	108	15	3,179	296	60	8
SHELLFISH, ETC.						
MUSSEL SHELLS	900	31	-	-	-	-
PEARLS AND SLUGS	-	5	-	-	-	-
TURTLES, SNAPPER	-	-	(1)	(1)	-	-
TOTAL SHELLFISH, ETC.	900	36	(1)	(1)	-	-
GRAND TOTAL	1,008	51	3,179	296	60	8

SPECIES	KENTUCKY		LOUISIANA		MINNESOTA	
	1960		1961		1961	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	26	1	2	(1)
BUFFALOFISH	397	56	2,201	305	640	66
BULLHEADS	-	-	-	-	2,081	141
BURBOT	-	-	-	-	7	(1)
CARP	368	18	262	13	4,987	76
CATFISH	605	151	2,613	505	35	9
GARFISH	-	-	678	34	3	(1)
MOONEYE	-	-	-	-	11	1
PADDLEFISH	117	12	39	2	-	-
PIKE OR PICKEREL	-	-	-	-	6	(1)
QUILLBACK	29	1	-	-	2	(1)
SHEEPSHEAD	507	35	725	82	810	24

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, VARIOUS YEARS - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	KENTUCKY		LOUISIANA		MINNESOTA	
	1960		1961		1961	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SMELT	-	-	-	-	1	(1)
STURGEON, SHOVELNOSE.	7	1	-	-	-	-
SUCKERS	74	3	-	-	32	2
WHITEFISH, COMMON	-	-	-	-	22	4
YELLOW PERCH.	-	-	-	-	212	20
YELLOW PIKE	-	-	-	-	667	96
TOTAL FISH.	2,104	277	6,544	942	9,518	439
SHELLFISH, ETC.						
CRAWFISH.	-	-	1,168	140	-	-
MUSSEL SHELLS	1,356	50	-	-	-	-
PEARLS AND SLUGS.	-	4	-	-	-	-
TURTLES:						
BABY.	-	-	27	203	-	-
SNAPPER	-	-	227	27	(1)	(1)
FROGS	-	-	88	31	-	-
TOTAL SHELLFISH, ETC.	1,356	54	1,510	401	(1)	(1)
GRAND TOTAL	3,460	331	8,054	1,343	9,518	439

SPECIES	MISSISSIPPI		MISSOURI		MONTANA	
	1960		1961		1961	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	2	(1)	-	-
BUFFALOFISH	1,237	148	100	7	16	1
BULLHEADS	11	2	1	(1)	-	-
CARP.	289	12	156	6	-	-
CATFISH	569	142	50	15	1	(1)
EELS, COMMON.	-	-	(1)	(1)	-	-
GARFISH	15	(1)	8	(1)	-	-
PADDLEFISH.	9	1	9	1	-	-
QUILLBACK	(1)	(1)	11	1	-	-
SHEEPSHEAD.	55	4	29	2	-	-
STURGEON, SHOVELNOSE.	-	-	4	1	-	-
SUCKERS	-	-	2	(1)	-	-
TOTAL FISH.	2,185	309	372	33	17	1
SHELLFISH, ETC.						
TURTLES:						
BABY.	3	18	-	-	-	-
SNAPPER	5	1	2	(1)	-	-
SOFT-SHELL.	1	(1)	-	-	-	-
TOTAL SHELLFISH, ETC. . . .	9	19	2	(1)	-	-
GRAND TOTAL	2,194	328	374	33	17	1

SPECIES	NEBRASKA		NORTH DAKOTA		OKLAHOMA	
	1960		1960		1960	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUFFALOFISH	10	2	100	6	112	13
BULLHEADS	83	2	410	25	-	-
CARP.	398	25	-	-	110	6
CATFISH	26	10	-	-	55	14
PADDLEFISH.	-	-	-	-	6	1
QUILLBACK	24	(1)	-	-	6	(1)
SHEEPSHEAD.	-	-	-	-	18	3
SUCKERS	-	-	317	4	-	-
WHITE BASS.	-	-	-	-	27	5
TOTAL FISH.	541	39	827	35	334	42
GRAND TOTAL	541	39	827	35	334	42

SPECIES	SOUTH DAKOTA		TENNESSEE		TEXAS	
	1960		1961		1960	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	6	(1)	-	-
BUFFALOFISH	897	97	1,454	160	400	56

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, VARIOUS YEARS - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	SOUTH DAKOTA		TENNESSEE		TEXAS	
	1960		1961		1960	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FISH - CONTINUED						
BULLHEADS	81	2	8	2	6	1
CARP	1,156	35	1,079	53	577	7
CATFISH	-	-	1,894	466	93	25
GARFISH	-	-	7	(1)	11	1
PADDLEFISH	50	5	335	50	-	-
QUILLBACK	-	-	172	5	5	(1)
SHEEPSHEAD	-	-	84	8	9	1
SUCKERS	18	1	1	(1)	8	(1)
YELLOW BASS	-	-	5	1	-	-
TOTAL FISH	2,202	140	5,045	745	709	91
SHELLFISH, ETC.						
MUSSEL SHELLS	-	-	4,232	238	-	-
PEARLS AND SLUGS	-	-	-	15	-	-
TURTLES:						
SLIDER	-	-	-	-	9	(1)
SNAPPER	-	-	4	(1)	3	1
TOTAL SHELLFISH, ETC.	-	-	4,236	253	12	1
GRAND TOTAL	2,202	140	9,281	998	721	92

SPECIES	WISCONSIN		WYOMING		TOTAL, VARIOUS YEARS	
	1961		1961			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FISH						
BOWFIN	13	(1)	-	-	71	2
BUFFALOFISH	905	90	-	-	14,99[illegible]	1,740
BULLHEADS	211	15	-	-	2,997	210
BURBOT	56	1	-	-	[illegible]3	1
CARP	5,854	220	378	11	20,4[illegible]	730
CATFISH	467	69	-	-	9,728	2,236
CRAPPIE	-	-	-	-	[illegible]1	11
EELS, COMMON	(1)	(1)	-	-	(1)	(1)
GARFISH	9	(1)	-	-	826	40
MOONEYE	6	(1)	-	-	17	1
PADDLEFISH	-	-	-	-	743	96
PIKE OR PICKEREL	-	-	-	-	6	(1)
QUILLBACK	18	(1)	-	-	300	9
SHEEPSHEAD	2,601	65	-	-	[illegible],119	349
SMELT	-	-	-	-	1	(1)
STURGEON, SHOVELNOSE	3	1	-	-	53	9
SUCKERS	105	2	-	-	590	13
WHITE BASS	-	-	-	-	27	5
WHITEFISH, COMMON	-	-	-	-	22	4
YELLOW BASS	-	-	-	-	5	1
YELLOW PERCH	-	-	-	-	212	20
YELLOW PIKE	-	-	-	-	667	9[illegible]
TOTAL FISH	10,248	503	378	11	57,870	5,575
SHELLFISH, ETC.						
CRAWFISH	-	-	-	-	1,168	140
MUSSEL SHELLS	-	-	-	-	16,519	904
PEARLS AND SLUGS	-	-	-	-	-	55
TURTLES:						
BABY	-	-	-	-	34	253
SLIDER	-	-	-	-	19	(1)
SNAPPER	5	1	-	-	280	34
SOFT-SHELL	-	-	-	-	4	(1)
FROGS	-	-	-	-	88	31
TOTAL SHELLFISH, ETC.	5	1	-	-	18,112	1,417
GRAND TOTAL	10,253	504	378	11	75,982	[illegible],992

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--CATCH STATISTICS ON THE RED LAKE ARE INCLUDED IN THIS TABULATION, ALTHOUGH IT IS NOT IN THE MISSISSIPPI DRAINAGE SYSTEM.

WHOLESALING AND MANUFACTURING, VARIOUS YEARS

ITEM	ALABAMA	ARKANSAS	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:										
ESTABLISHMENTS	13	38	97	8	32	3	26	19	22	19
PERSONS ENGAGED:										
AVERAGE FOR SEASON	100	102	319	48	723	22	116	155	194	31
AVERAGE FOR YEAR	42	63	203	48	234	22	83	103	117	20

ITEM	MISSOURI	NEBRASKA	NORTH DAKOTA	OHIO	OKLAHOMA	SOUTH DAKOTA	TENNESSEE	TEXAS	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:										
ESTABLISHMENTS	41	6	3	1	19	2	41	14	39	443
PERSONS ENGAGED:										
AVERAGE FOR SEASON	429	43	24	7	68	4	192	128	303	3,008
AVERAGE FOR YEAR	298	41	18	1	57	4	117	110	123	1,704

NOTE:--DATA FOR ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, MINNESOTA, MISSOURI, NEBRASKA, NORTH DAKOTA, SOUTH DAKOTA, AND WISCONSIN ARE FOR 1959. DATA FOR ALABAMA, ARKANSAS, MISSISSIPPI, OHIO, OKLAHOMA, TENNESSEE, AND TEXAS ARE FOR 1960. DATA FOR LOUISIANA ARE FOR 1961.

MANUFACTURED FISHERY PRODUCTS, 1961 1/

ITEM	STATE AND NUMBER OF PLANTS	UNIT	QUANTITY	VALUE
FROZEN PACKAGED FISH (FILLETS, PORTIONS, AND STICKS, NOT BREADED AND BREADED)	KENTUCKY (2), MISSOURI (2).	POUNDS	9,681,009	$3,947,691
CURED FISH:				
SALTED AND LUTEFISK	MINNESOTA (3), MISSOURI (1)	DO	2,680,038	997,732
SMOKED	IOWA (1), MINNESOTA (2), MISSOURI (1), NEBRASKA (2), NORTH DAKOTA (1)	DO	519,529	315,375
OTHER PRODUCTS (CANNED WHITEFISH, CAVIAR AND TURTLE SOUP; AND MUSSEL-SHELL PRODUCTS)	ILLINOIS (1), IOWA (7), OHIO (1), WISCONSIN (1)	-	-	860,792
TOTAL		-	-	6,121,590

1/ DATA ON THE PRODUCTION OF FROZEN BREADED FILLETS AND CURED FISH ARE FOR 1960.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

VALUE OF MANUFACTURED PRODUCTS, 1961

(THOUSANDS OF DOLLARS)

STATE	VALUE
IOWA	845
ILLINOIS AND KENTUCKY	408
MINNESOTA	1,001
MISSOURI	3,757
NEBRASKA, NORTH DAKOTA, OHIO, AND WISCONSIN	111
TOTAL	6,122

MISSISSIPPI RIVER FISHERIES

ALABAMA

CATCH BY WATERS, 1961

SPECIES	TENNESSEE RIVER	
	POUNDS	VALUE
BUFFALOFISH	532,000	$63,837
CARP	255,700	12,784
CATFISH	1,080,400	270,098
PADDLEFISH	104,200	15,632
QUILLBACK	900	27
SHEEPSHEAD	51,600	5,161
STURGEON, SHOVELNOSE	1,500	300
MUSSEL SHELLS	9,336,000	571,892
PEARLS AND SLUGS	-	29,556
TOTAL	11,362,300	969,287

ILLINOIS

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		ILLINOIS RIVER AND TRIBUTARIES		WABASH RIVER AND TRIBUTARIES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	600	$20	6,600	$277	-	-
BUFFALOFISH	910,200	96,484	921,000	82,520	20,000	$2,684
BULLHEADS	10,000	2,115	49,600	8,621	-	-
CARP	1,262,300	64,503	1,072,200	50,605	55,900	5,587
CATFISH	570,300	142,168	87,500	21,869	14,700	3,664
CRAPPIE	30,100	6,265	31,000	5,206	-	-
EELS, COMMON	100	28	-	-	-	-
GARFISH	400	8	400	18	-	-
PADDLEFISH	31,500	3,551	500	80	500	125
SHEEPSHEAD	350,400	30,268	46,300	3,714	3,800	502
STURGEON, SHOVELNOSE	5,400	1,062	-	-	1,300	320
SUCKERS	3,800	126	-	-	200	26
MUSSEL SHELLS	-	-	-	-	100,000	3,250
TURTLES, SNAPPER	3,800	538	2,600	403	-	
TOTAL	3,178,900	347,136	2,217,700	173,313	196,400	16,158

SPECIES	OHIO RIVER 1/		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	7,200	$297
BUFFALOFISH	93,000	$10,230	45,700	$6,707	1,989,900	198,625
BULLHEADS	-	-	2,000	200	61,600	10,936
CARP	138,000	5,520	182,200	6,249	2,710,600	132,464
CATFISH	91,000	28,750	-	-	763,500	196,451
CRAPPIE	-	-	-	-	61,100	11,471
EELS, COMMON	-	-	-	-	100	28
GARFISH	-	-	-	-	800	26
PADDLEFISH	6,000	600	-	-	38,500	4,356
QUILLBACK	2,000	60	-	-	2,000	60
SHEEPSHEAD	21,000	2,100	500	90	422,000	36,674
STURGEON, SHOVELNOSE	5,000	1,000	-	-	11,700	2,382
SUCKERS	1,000	30	-	-	5,000	182
MUSSEL SHELLS	-	-	-	-	100,000	3,250
TURTLES, SNAPPER	-	-	3,000	540	9,400	1,481
TOTAL	357,000	48,290	233,400	13,78[illegible]	[illegible]	[illegible]

1/ DATA ARE FOR 1960.

MISSISSIPPI RIVER FISHERIES

IOWA

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		MISSOURI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	400	$19	-	-	-	-	400	$19
BUFFALOFISH	903,700	90,367	24,500	$2,447	44,600	$2,444	972,800	95,258
BULLHEADS	31,600	6,640	500	38	-	-	32,100	6,678
CARP	940,900	47,045	107,200	4,289	221,000	2,294	1,269,100	53,628
CATFISH	366,900	91,704	46,200	11,078	-	-	413,100	102,782
EELS, COMMON	400	58	-	-	-	-	400	58
GARFISH	400	19	-	-	-	-	400	19
PADDLEFISH	8,800	1,138	3,700	337	-	-	12,500	1,475
QUILLBACK	400	19	300	8	-	-	700	27
SHEEPSHEAD	404,900	32,395	6,500	193	26,200	269	437,600	32,857
STURGEON, SHOVELNOSE	11,000	1,767	2,200	390	-	-	13,200	2,157
SUCKERS	23,600	945	2,900	85	-	-	26,500	1,030
TURTLES, SNAPPER	300	47	-	-	-	-	300	47
TOTAL	2,693,300	272,163	194,000	18,865	291,800	5,007	3,179,100	296,035

LOUISIANA

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		ATCHAFALAYA RIVER		BOEUF RIVER		OUACHITA RIVER		RED RIVER AND TRIBUTARIES		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	4,300	$215	5,900	$295	400	$20	8,400	$420	1,500	$75	6,000	$300	26,500	$1,325
BUFFALOFISH	239,600	33,993	578,100	69,372	84,200	12,630	447,700	67,155	222,500	28,596	628,700	93,102	2,200,800	304,848
CARP	39,200	1,960	56,300	2,815	8,700	435	42,300	2,115	30,800	1,540	84,400	4,220	261,700	13,085
CATFISH AND BULLHEADS	257,800	50,291	1,498,700	284,753	50,100	10,020	183,000	36,600	126,000	24,264	497,800	98,835	2,613,400	504,763
GARFISH	44,200	2,210	317,500	15,875	21,400	1,070	49,800	2,490	137,100	6,855	107,600	5,380	677,600	33,880
PADDLEFISH	2,000	100	3,200	160	3,200	160	7,600	380	6,700	335	16,300	815	39,000	1,950
SHEEPSHEAD	61,800	6,714	346,200	41,544	21,300	2,130	74,200	7,420	90,000	10,510	131,100	13,330	724,600	81,648
CRAWFISH	25,700	3,084	1,142,600	137,112	-	-	-	-	-	-	-	-	1,168,300	140,196
TURTLES:														
BABY	700	5,250	12,700	95,250	1,300	9,750	-	-	600	4,500	11,300	84,750	26,600	199,500
SNAPPER	32,800	3,936	39,500	4,650	1,300	156	25,000	3,000	6,600	660	121,900	14,508	227,100	26,910
SOFT-SHELL	500	3,750	-	-	-	-	-	-	-	-	-	-	500	3,750
FROGS	11,500	4,025	28,700	10,045	8,500	2,975	7,700	2,695	800	280	30,600	10,710	87,800	30,730
TOTAL	720,100	115,528	4,029,400	661,671	200,400	39,346	845,700	122,275	622,600	77,615	1,635,700	325,950	8,053,900	1,342,585

MISSISSIPPI RIVER FISHERIES

MINNESOTA

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER		RED LAKE		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	2,200	$43	-	-	100	$1	2,300	$44
BUFFALOFISH	45,100	4,643	-	-	594,300	61,213	639,400	65,856
BULLHEADS	2,700	189	200	$30	2,078,100	141,101	2,081,000	141,320
BURBOT	-	-	-	-	7,200	72	7,200	72
CARP	667,800	13,357	-	-	4,319,500	62,632	4,987,300	75,989
CATFISH	34,900	8,724	-	-	-	-	34,900	8,724
GARFISH	3,100	64	-	-	-	-	3,100	64
MOONEYE	1,300	33	9,100	1,051	-	-	10,400	1,084
PIKE OR PICKEREL	-	-	6,300	455	-	-	6,300	455
QUILLBACK	2,400	94	-	-	-	-	2,400	94
SHEEPSHEAD	84,100	3,029	84,700	1,229	641,200	19,235	810,000	23,493
SMELT	-	-	-	-	600	6	600	6
SUCKERS	4,600	70	(1)	1	27,300	1,375	31,900	1,446
WHITEFISH, COMMON	-	-	21,800	4,135	-	-	21,800	4,135
YELLOW PERCH	-	-	164,900	16,724	47,000	2,819	211,900	19,543
YELLOW PIKE	-	-	667,000	96,383	-	-	667,000	96,383
TURTLES, SNAPPER	-	-	-	-	200	22	200	22
TOTAL	848,200	30,246	954,000	120,008	7,715,500	288,476	9,517,700	438,730

1/ LESS THAN 50 POUNDS.

MISSOURI

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER		MISSOURI RIVER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,600	$16	(1)	(1)	1,600	$16
BUFFALOFISH	68,600	4,799	31,300	$2,196	99,900	6,995
BULLHEADS	400	73	500	98	900	171
CARP	83,500	3,341	73,200	2,928	156,700	6,269
CATFISH	30,800	9,246	19,200	5,767	50,000	15,013
EELS, COMMON	100	15	100	11	200	26
GARFISH	5,400	54	2,100	21	7,500	75
PADDLEFISH	7,200	649	2,200	204	9,400	853
QUILLBACK	9,300	371	1,900	78	11,200	449
SHEEPSHEAD	24,300	1,460	4,300	254	28,600	1,714
STURGEON, SHOVELNOSE	2,400	480	1,500	322	3,900	802
SUCKERS	1,300	68	900	47	2,200	115
TURTLES, SNAPPER	2,100	215	-	-	2,100	215
TOTAL	237,000	20,787	137,200	11,926	374,200	32,713

1/ LESS THAN 50 POUNDS OR 50 CENTS.

MONTANA

THE COMMERCIAL FISHERIES OF MONTANA, IN THE TRIBUTARIES OF THE MISSISSIPPI RIVER, ARE CONFINED TO THE FORT PECK RESERVOIR OF THE MISSOURI RIVER. THREE CASUAL FISHERMEN, EMPLOYING TWO MOTOR BOATS AND ONE OTHER BOAT, FISHED TWO ANCHOR GILL NETS OF 267 SQUARE YARDS, AND 18 POTS AND TRAPS. THE CATCH CONSISTED OF 16,100 POUNDS OF BUFFALOFISH, VALUED AT $909 TO THE FISHERMEN, AND 1,000 POUNDS OF CATFISH, VALUED AT $99 TO THE FISHERMEN.

TENNESSEE

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		CUMBERLAND RIVER		TENNESSEE RIVER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	5,400	$221	-	-	-	-
BUFFALOFISH	671,800	67,781	34,900	$3,523	680,700	$81,682
BULLHEADS	1,200	215	-	-	-	-
CARP	688,000	33,779	34,000	1,667	329,300	16,465
CATFISH	474,900	118,435	22,900	5,709	1,248,700	305,331
GARFISH	-	-	-	-	7,000	141
PADDLEFISH	10,300	1,180	4,300	490	320,200	48,025
QUILLBACK	52,700	1,580	5,400	163	114,300	3,430
SHEEPSHEAD	27,700	2,387	5,200	452	48,900	4,894
SUCKERS	-	-	-	-	1,100	55
MUSSEL SHELLS	-	-	-	-	4,232,000	237,868
PEARLS AND SLUGS	-	-	-	-	-	14,978
TURTLES, SNAPPER	-	-	-	-	3,400	271
TOTAL	1,932,000	225,578	106,700	12,004	6,985,600	713,140

SPECIES	INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	400	$14	5,800	$235
BUFFALOFISH	66,800	6,743	1,454,200	159,729
BULLHEADS	7,000	1,242	8,200	1,457
CARP	27,400	1,349	1,078,700	53,260
CATFISH	147,100	36,686	1,893,600	466,161
GARFISH	-	-	7,000	141
PADDLEFISH	-	-	334,800	49,695
QUILLBACK	-	-	172,400	5,173
SHEEPSHEAD	2,400	207	84,200	7,940
SUCKERS	-	-	1,100	55
YELLOW BASS	5,300	1,063	5,300	1,063
MUSSEL SHELLS	-	-	4,232,000	237,868
PEARLS AND SLUGS	-	-	-	14,978
TURTLES, SNAPPER	-	-	3,400	271
TOTAL	256,400	47,304	9,280,700	998,026

WISCONSIN

CATCH BY WATERS, 1961

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	12,500	$124	200	$2	12,700	$126
BUFFALOFISH	496,500	49,640	409,000	40,906	905,500	90,546
BULLHEADS	54,800	3,835	155,900	10,914	210,700	14,749
BURBOT	-	-	55,500	666	55,500	666
CARP	2,980,800	119,230	2,873,500	100,576	5,854,300	219,806
CATFISH	466,800	88,671	-	-	466,800	88,671
EELS, COMMON	(1)	3	-	-	(1)	3
GARFISH	5,600	56	3,800	38	9,400	94
MOONEYE	2,700	84	3,500	105	6,200	189
QUILLBACK	17,700	532	-	-	17,700	532
SHEEPSHEAD	347,100	17,354	2,253,600	67,607	2,600,700	84,961
STURGEON, SHOVELNOSE	3,300	602	-	-	3,300	602
SUCKERS	30,400	912	75,000	1,651	105,400	2,563
YELLOW PERCH	-	-	100	8	100	8
TURTLES, SNAPPER	4,500	505	400	49	4,900	554
TOTAL	4,422,700	281,548	5,830,500	222,522	10,253,200	504,070

1/ LESS THAN 50 POUNDS.

WYOMING

THE COMMERCIAL FISHERIES OF WYOMING, IN THE TRIBUTARIES OF THE MISSISSIPPI RIVER, ARE CONFINED TO THE INLAND LAKES AND STREAMS. THE CATCH CONSISTED OF 377,600 POUNDS OF CARP, VALUED AT $11,329

SECTION 10 - HAWAII FISHERIES

The 1961 landings of commercially caught fish and shellfish at ports in the State of Hawaii amounted to 14.5 million pounds valued at nearly $3 million to the fishermen. This was a gain of 3.4 million pounds (30 percent) and $193,000 (7 percent) compared with 1960. Landings of skipjack tuna which totaled 11 million pounds (up 3.6 million pounds) accounted for most of the increase. The gain fulfilled predictions made by the Bureau's Biological Laboratory at Honolulu of a better than average year for skipjack landings. In 1961, the catch of skipjack averaged 6,000 pounds per trip--the fourth highest average catch per trip since 1952.

Following skipjack in importance of volume and value of the catch was the longline fishery for bigeye and yellowfin tuna, and black and striped marlin. The downward trend of the longline fishery since 1953 has been caused chiefly by reduced catches of bigeye tuna. Landings of this species have declined from a high of 2.8 million pounds in 1953 to 1 million pounds in 1961. The fishery for yellowfin tuna, and black and striped marlin has remained relatively stable. The longline fishery is conducted by approximately 30 vessels of 5 net tons or more, which fished from 20 to 30 baskets of 6-hook gear. Bait used with this gear consisted largely of imported jack mackerel which have replaced imported sardines. Since the vessels have no mechanical refrigeration, ice is used to preserve the catch. Usually 1 or 2 weeks of fishing are required before the vessels catch a full cargo.

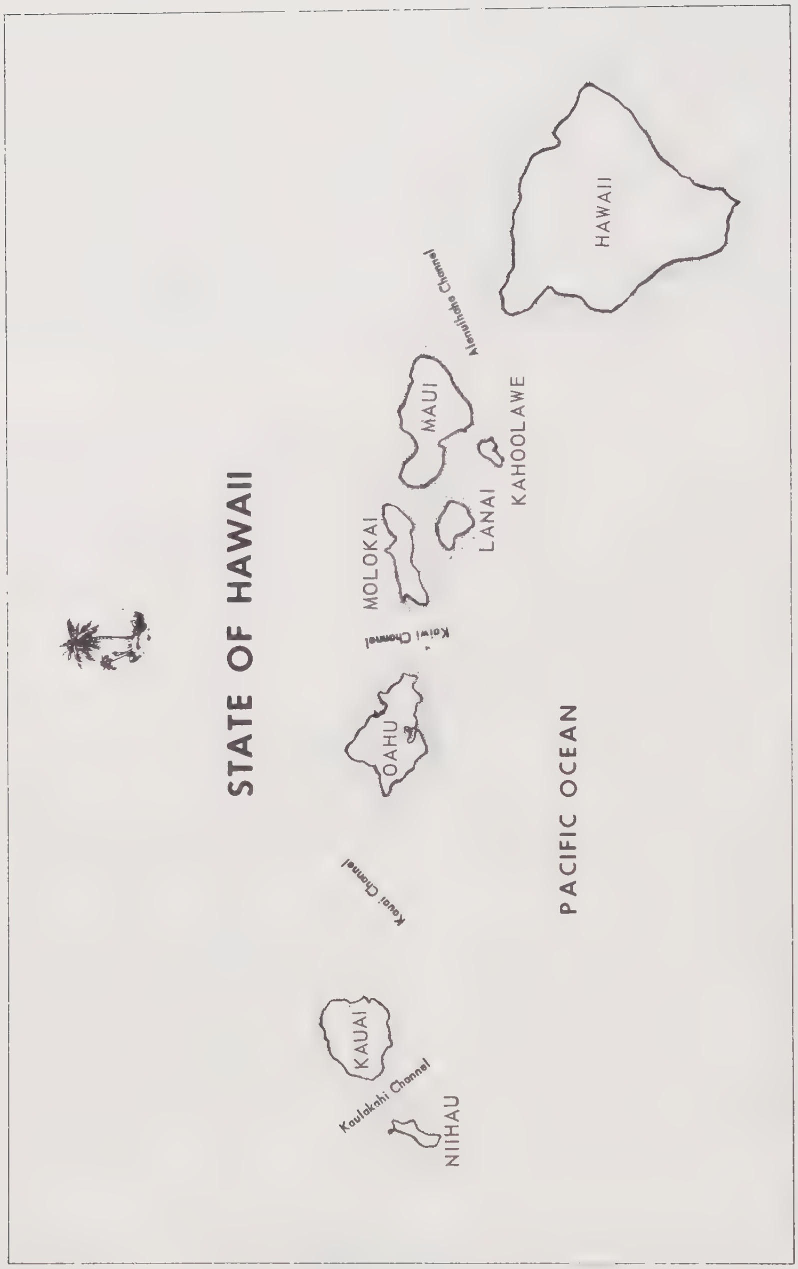
Fishery products were landed at six of the eight islands that form the State of Hawaii. The Island of Oahu ranked first with a catch of 11 million pounds (76 percent). The Island of Hawaii was in second place with 1.9 million pounds, followed by Maui (1.3 million pounds). The remainder of the catch was landed at ports on the Islands of Kauai, Molokai, and Lanai. Receipts of tuna (albacore, bigeye and bluefin, little, skipjack, and yellowfin) accounted for 86 percent of the quantity and 69 percent of the value of all fishery products landed in Hawaii. The 1961 catch was taken by 589 fishermen. Fishing craft operated during the year included 65 vessels of 5 net tons and over, 195 motor boats, and 20 other boats. Except for minor improvements in craft and gear, the fishermen of Hawaii still fish much as they did 40 years ago.

Data on the volume and value of the fisheries of Hawaii, by months, were published in Statistical Digests for the years 1946-58. It was not until 1959, the year Hawaii became a State, that operating unit and catch data were assembled in approximately the same manner as those for other States so that the figures could be included in the national summary tables. Catch data for Hawaii are presented in two categories--the ocean catch and the pond (salt-water) catch. The common and scientific names of the species of fish and shellfish landed in Hawaii are not included in Section 14 of this report.

The data in this section were assembled and prepared for publication by the Bureau's area office, Honolulu, Hawaii, largely from information collected by the Hawaii Department of Land and Natural Resources, Division of Fish and Game.

The following tables contain summarized and detailed information on the 1961 operating units and catch by islands of the State of Hawaii. Condensed summary data on the operating units and catch of the Hawaii area, appearing in the following pages, have been previously published in Current Fishery Statistics No. 3128.

SKIPJACK TUNA


STATE OF HAWAII
NIIHAU
Kaulakahi Channel
KAUAI
Kauai Channel
OAHU
Kaiwi Channel
MOLOKAI
LANAI
MAUI
KAHOOLAWE
Alenuihaha Channel
HAWAII
PACIFIC OCEAN

HAWAII FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ISLAND	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAWAII	1,867	387	16	9	1,883	396
MOLOKAI	13	6	1	2	14	[illegible]
OAHU	11,026	2,199	30	21	11,056	2,220
KAUAI	166	71	9	6	175	[illegible]
MAUI	1,331	191	1	(1)	1,332	191
LANAI	12	5	(1)	(1)	12	5
TOTAL	14,415	2,859	57	38	14,472	2,897

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF OPERATING UNITS, 1961

ITEM	TOTAL
	NUMBER
FISHERMEN:	
ON VESSELS	320
ON BOATS AND SHORE	269
TOTAL	589
VESSELS, MOTOR	65
GROSS TONNAGE	1,908
BOATS:	
MOTOR	195
OTHER	20

NOTE:--DATA ARE NOT AVAILABLE ON THE NUMBER AND SIZE OF GEAR USED IN THE HAWAII FISHERIES. THE TYPES OF GEAR USED CAN BE ASCERTAINED FROM THE TABLE SHOWING THE CATCH BY GEAR. OPERATING UNIT DATA ARE INCOMPLETE. THERE WERE 20 WHOLESALING AND MANUFACTURING ESTABLISHMENTS. THEY EMPLOYED 365 PERSONS FOR THE SEASON. THE AVERAGE YEARLY EMPLOYMENT WAS 308 PERSONS.

HAWAII - CATCH BY SPECIES, 1961

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH:	FISH		
AMBERJACK	KAHALA	71,830	$21,051
BARRACUDA	KAKU	2,516	701
BARRACUDA, JAPANESE	KAWELEA	4,514	1,966
BIGEYE SCAD	AKULE	285,429	188,851
BONEFISH	OIO	29,158	11,041
CREVALLE:			
BLUE	ULUA OMILU	5,769	3,305
JACK	ULUA	68,390	29,829
DAMSELFISH	KUPIPI	3,634	1,301
DOLPHIN	MAHIMAHI	116,227	47,752
EELS:			
CONGER	PUHI	6,063	1,008
MORAY	PUHI	1,659	206
GOATFISHES:			
	KUMU	15,305	15,907
	MALU	3,280	1,932
	MOANO	13,596	7,906
	MOELUA	3,214	1,833
	WEKE	84,625	34,654
	WEKE-ULA	15,173	9,996
MACKEREL, JACK	OPELU	203,975	84,269
MARLIN:			
BLACK	A'U	270,028	75,332
SAILFISH	A'U LEPE	4,578	816
SILVER	A'U	16,238	4,912
STRIPED	A'U	226,843	63,052
MILKFISH	AWA	13,099	4,622
MOUNTAIN BASS	AHOLEHOLE	4,691	2,997
MULLET	AMAAMA	18,734	13,268
PARROT FISH	UHU	5,632	2,360
RED BIGEYE	AWEOWEO	3,555	1,343
RUDDERFISH	NENUE	6,826	2,535
RUNNER	LAI	622	196
SARDINE	MAKIAWA	658	133
SEA BASS, BLACK	HAPUUPUU	18,636	9,708
SNAPPER:			
GRAY	UKU	41,978	[illegible]
PINK	KALIKALI	19,073	[illegible]
PINK	OPAKAPAKA	90,271	[illegible]
RED	ULAULA	12,796	[illegible]
RED	ULAULA KOAE	42,917	[illegible]
SPOT	A'AWA	1,292	[illegible]

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY SPECIES, 1961 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH - CONTINUED:			
FISH - CONTINUED			
SQUIRRELFISH	UU	13,177	$9,451
SURGEON FISH:			
	KALA	12,880	1,873
	MAIKO	638	99
	PALANI	5,393	996
	PUALU	24,930	6,442
SWORDFISH	A'U	22,744	4,341
TANG:			
CONVICT	MANINI	7,098	3,542
ORANGE SPOT	NAENAE	733	111
TENPOUNDER	AWAAWA	1,170	446
THREADFIN	MOI	13,883	10,679
TRIGGERFISH	HUMUHUMU	1,135	400
TUNA:			
ALBACORE	AHIPALAHA	13,560	4,079
BIGEYE AND BLUEFIN	AHIHI	1,037,404	507,575
LITTLE	KAWAKAWA	2,007	372
SKIPJACK	AKU	10,951,328	1,306,735
YELLOWFIN	AHI	458,994	168,419
TOTAL TUNA		12,463,293	1,987,180
WAHOO	ONO	25,261	5,070
UNCLASSIFIED		26,168	9,545
TOTAL FISH		14,351,327	2,804,809
SHELLFISH, ETC.			
ALGAE	LIMU	45	56
CRABS:			
	KONA	17,741	13,134
	PAPAI	4,574	1,372
	KUAHONU	94	52
LIMPET	OPIHI	2,145	4,802
LOBSTERS:			
SLIPPER	ULAPAPAPA	43	26
SPINY	ULA	12,621	8,543
OCTOPUS	HEE	3,797	2,352
SHRIMP	OPAE	212	288
SQUID	MUHEE	8,442	3,448
TURTLES	HONU	323	139
TOTAL SHELLFISH, ETC.		50,037	34,212
TOTAL OCEAN CATCH		14,401,364	2,839,021
POND CATCH: 1/			
FISH			
BARRACUDA	KAKU	647	480
BONEFISH	OIO	141	78
CREVALLE:			
BLUE	ULUA OMILU	12	12
JACK	ULUA	1,719	1,643
EELS:			
CONGER	PUHI	18	3
MORAY	PUHI	22	4
GOATFISHES:			
	KUMU	5	5
	WEKE	91	33
MILKFISH	AWA	6,812	3,737
MOUNTAIN BASS	AHOLEHOLE	2,974	913
MULLET	AMAAMA	48,727	46,096
RUNNER	LAI	53	15
SURGEON FISH	PUALU	320	80
TENPOUNDER	AWAAWA	1,116	507
THREADFIN	MOI	655	656
TILAPIA		38	10
UNCLASSIFIED FISH		32	12
TOTAL FISH		63,382	54,284
SHELLFISH			
CLAMS, HARD	OLEPE	36	51
CRABS:			
	PAPAI	4,053	1,540
	MOALA	169	63
	SAMOAN	694	503
	KUAHONU	2,136	1,488
SHRIMP	OPAE	6	9
TOTAL SHELLFISH		7,094	3,654
TOTAL POND CATCH		70,476	57,938
GRAND TOTAL		14,471,840	2,896,959

1/ SALT-WATER.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1961

ITEM	HAWAII						
				LINES			
	BAG NETS	POTS AND TRAPS	GILL NETS	HAND	POLE AND LINE	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	-	-	-	20	4	12
ON BOATS AND SHORE. . . .	3	1	6	37	4	5	17
TOTAL	3	1	6	37	24	9	29
VESSELS, MOTOR.	-	-	-	-	2	2	4
GROSS TONNAGE	-	-	-	-	90	22	71
BOATS, MOTOR.	3	1	4	24	6	4	5

ITEM	HAWAII - CONTINUED						
	LIFT NETS	CAST NETS	SPEARS	BY HAND	POND 1/	UNCLASSIFIED GEAR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	-	-	-	-	-	36
ON BOATS AND SHORE. . . .	8	1	1	3	1	1	78
TOTAL	8	1	1	3	1	1	114
VESSELS, MOTOR.	-	-	-	-	-	-	8
GROSS TONNAGE	-	-	-	-	-	-	183
BOATS, MOTOR.	5	-	-	-	-	-	45

ITEM	MOLOKAI			
	GILL NETS	BY HAND	POND 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE.	11	2	4	16
BOATS:				
MOTOR	9	1	1	11
OTHER	-	-	2	2

ITEM	OAHU			
	HAUL SEINES	BAG NETS	POTS AND TRAPS	GILL NETS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	11	14	-	-
ON BOATS AND SHORE. . . .	-	-	18	18
TOTAL	11	14	18	18
VESSELS, MOTOR.	3	2	-	-
GROSS TONNAGE	57	52	-	-
BOATS:				
MOTOR	-	-	14	15
OTHER	-	-	-	3

ITEM	OAHU - CONTINUED						
	LINES						
	HAND	POLE AND LINE	TROLL	LONG OR SET WITH HOOKS	LIFT NETS	POND 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	7	114	2	73	3	-	224
ON BOATS AND SHORE. . . .	77	2	2	6	2	13	121
TOTAL	84	116	4	79	5	13	[illegible]
VESSELS, MOTOR.	2	13	1	25	1	-	[illegible]
GROSS TONNAGE	64	613	26	559	[illegible]	-	1,[illegible]
BOATS:							
MOTOR	58	17	2	2	1	2	[illegible]
OTHER	-	-	-	-	-	-	[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1961 - Continued

ITEM	KAUAI			
	BAG NETS	GILL NETS	LINES	
			HAND	POLE AND LINE
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	4	-
ON BOATS AND SHORE	7	5	10	1
TOTAL	7	5	14	1
VESSELS, MOTOR	-	-	2	-
GROSS TONNAGE	-	-	19	-
BOATS:				
MOTOR	-	-	9	-
OTHER	7	5	-	-

ITEM	KAUAI - CONTINUED				
	LINES - CONTINUED		LIFT NETS	CAST NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	3	-	-	7
ON BOATS AND SHORE	3	6	2	2	20
TOTAL	3	9	2	2	27
VESSELS, MOTOR	-	1	-	-	3
GROSS TONNAGE	-	18	-	-	37
BOATS:					
MOTOR	3	5	1	-	9
OTHER	-	-	-	2	10

ITEM	MAUI				
	BAG NETS	GILL NETS	LINES		
			HAND	POLE AND LINE	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	7	-	-	46	-
ON BOATS AND SHORE	7	4	9	-	2
TOTAL	14	4	9	46	2
VESSELS, MOTOR	1	-	-	6	-
GROSS TONNAGE	17	-	-	282	-
BOATS, MOTOR	8	4	9	6	1

ITEM	MAUI - CONTINUED			
	LIFT NETS	SPEARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	-	53
ON BOATS AND SHORE	5	1	1	27
TOTAL	5	1	1	80
VESSELS, MOTOR	-	-	-	7
GROSS TONNAGE	-	-	-	299
BOATS, MOTOR	1	1	-	29

ITEM	LANAI		
	LINES		TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	TROLL	
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE	6	7	7
BOATS, MOTOR	6	7	7

1/ SEINES, MISCELLANEOUS NETS, AND BY HAND.
NOTE:--NUMBER AND QUANTITY OF GEAR NOT AVAILABLE. DATA ON OPERATING UNITS ARE INCOMPLETE.

HAWAII - CATCH BY ISLANDS, 1961

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH:							
FISH							
AMBERJACK	KAHALA	13,585	$3,065	-	-	40,754	$12,137
BARRACUDA	KAKU	302	59	58	$46	1,643	433
BARRACUDA, JAPANESE	KAWELEA	3,613	1,593	-	-	667	292
BIGEYE SCAD	AKULE	34,081	23,523	59	26	150,204	102,742
BONEFISH	OIO	6,934	2,664	217	71	17,638	7,208
CREVALLE:							
BLUE	OMILU	-	-	-	-	5,069	2,896
JACK	ULUA	7,233	2,895	244	186	53,393	23,288
DAMSELFISH	KUPIPI	-	-	-	-	3,488	1,221
DOLPHIN	MAHIMAHI	27,002	8,728	-	-	85,580	38,062
EELS:							
CONGER	PUHI	121	53	-	-	5,942	955
MORAY	PUHI	-	-	-	-	1,659	206
GOATFISHES:							
	KUMU	409	425	372	205	13,852	14,806
	MALU	4	2	-	-	3,276	1,930
	MOANO	1,131	678	50	20	12,398	7,198
	MOELUA	-	-	-	-	4	4
	WEKE	1,752	1,401	5,056	1,685	74,180	29,756
	WEKE-ULA	478	352	-	-	10,857	8,201
MACKEREL, JACK	OPELU	70,689	25,475	-	-	93,047	45,136
MARLIN:							
BLACK	A'U	70,934	14,043	-	-	199,094	61,289
SAILFISH	A'U LEPE	1,191	326	-	-	3,387	490
SILVER	A'U	10,096	2,776	-	-	6,142	2,136
STRIPED	A'U	26,237	6,701	-	-	200,123	56,245
MILKFISH	AWA	834	364	114	42	9,136	3,557
MOUNTAIN BASS	AHOLEHOLE	100	72	381	126	443	327
MULLET	AMAAMA	1,449	1,071	3,801	2,376	5,360	4,348
PARROT FISH	UHU	62	21	31	15	5,438	2,299
RED BIGEYE	AWEOWEO	1,991	687	166	67	889	391
RUDDERFISH	NENUE	615	228	29	12	6,149	2,283
RUNNER	LAI	6	3	22	10	98	29
SARDINE	MAKIAWA	-	-	15	4	643	129
SEA BASS, BLACK	HAPUUPUU	273	126	-	-	16,856	9,038
SNAPPER:							
GRAY	UKU	1,584	631	-	-	28,339	12,177
PINK	KALIKALI	2,950	987	-	-	16,057	8,602
PINK	OPAKAPAKA	1,457	723	-	-	58,145	28,000
RED	ULAULA	1,281	1,097	-	-	10,849	9,687
RED	ULAULA KOAE	1,551	1,121	-	-	41,012	36,310
SPOT	A'AWA	720	105	-	-	492	101
SQUIRRELFISH	UU	6,405	3,846	849	610	5,116	4,494
SURGEONFISH:							
	KALA	1	(1)	-	-	12,443	1,750
	MAIKO	36	14	-	-	602	85
	PALANI	68	8	-	-	5,233	965
	PUALU	-	-	37	11	24,893	6,431
SWORDFISH	A'U	377	38	-	-	22,367	4,303
TANG:							
CONVICT	MANINI	1,191	796	254	108	5,156	2,393
ORANGE SPOT	NAENAE	-	-	-	-	733	111
TENPOUNDER	AWAAWA	-	-	-	-	1,170	446
THREADFIN, PACIFIC	MOI	1,752	1,483	174	118	7,019	5,777
TRIGGERFISH	HUMUHUMU	376	60	-	-	759	340
TUNA:							
ALBACORE	AHIPALAHA	4,770	1,278	-	-	8,790	2,801
BIGEYE AND BLUEFIN	AHI	246,513	111,983	-	-	790,162	395,369
LITTLE	KAWAKAWA	71	11	-	-	1,110	157
SKIPJACK	AKU	1,150,026	118,852	-	-	8,579,155	1,057,527
YELLOWFIN	AHI	147,398	42,631	-	-	289,850	120,227
TOTAL TUNA		1,548,778	274,755	-	-	9,669,067	1,576,081
WAHOO	ONO	12,499	2,413	-	-	7,635	1,428
UNCLASSIFIED		4,696	1,925	50	23	19,142	6,734
TOTAL FISH		1,866,844	387,333	11,979	5,761	10,963,638	2,145,247
SHELLFISH, ETC.							
CRABS:							
	KONA	905	528	-	-	9,546	8,128
	PAPAI	4,574	1,372	-	-	-	-
	KUAHONU	-	-	-	-	94	52
LIMPET	OPIHI	1,481	3,373	619	1,315	11	27
LOBSTER:							
SLIPPER	ULAPAPAPA	-	-	-	-	43	26
SPINY	ULA	404	270	-	-	11,986	8,149
OCTOPUS	HEE	270	137	180	121	1,359	746
SQUID	MUHEE	8,023	3,188	-	-	7	4
SHRIMP	OPAE	129	106	83	182	-	-
TOTAL SHELLFISH, ETC.		15,786	8,974	882	1,618	23,046	17,132
TOTAL OCEAN CATCH		1,882,630	396,307	12,861	7,379	10,986,684	2,162,379

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY ISLANDS, 1961 - Continued

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
POND CATCH: 2/							
FISH							
BARRACUDA	KAKU	-	-	25	$10	622	$470
BONEFISH	OIO	-	-	-	-	141	78
CREVALLE:							
BLUE	OMILU	-	-	-	-	12	12
JACK	ULUA	-	-	-	-	1,719	1,643
EELS:							
CONGER	PUHI	-	-	-	-	18	3
MORAY	PUHI	-	-	-	-	22	4
GOATFISHES:							
	KUMU	-	-	-	-	5	5
	WEKE	-	-	-	-	91	33
MILKFISH	AWA	320	$112	-	-	6,492	3,625
MOUNTAIN BASS	AHOLEHOLE	-	-	-	-	2,974	913
MULLET	AMAAMA	-	-	601	551	48,126	45,545
RUNNER	LAI	-	-	-	-	53	15
SURGEONFISH	PUALU	-	-	-	-	320	80
TENPOUNDER	AWAAWA	-	-	-	-	1,116	507
THREADFIN, PACIFIC	MOI	-	-	-	-	655	656
TILAPIA	. . . .	-	-	-	-	38	10
UNCLASSIFIED	. . . .	-	-	-	-	32	12
TOTAL FISH		320	112	626	561	62,436	53,611
SHELLFISH							
CLAMS, HARD	OLEPE	-	-	36	51	-	-
CRABS:							
	PAPAI	-	-	-	-	4,053	1,540
	MOALA	-	-	-	-	169	63
	SAMOAN	-	-	-	-	694	503
	KUAHONU	-	-	-	-	2,136	1,488
SHRIMP	OPAI	-	-	-	-	6	9
TOTAL SHELLFISH		-	-	36	51	7,058	3,603
TOTAL POND CATCH		320	112	662	612	69,494	57,214
GRAND TOTAL		1,882,950	396,419	13,523	7,991	11,056,178	2,219,593

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH:							
FISH							
AMBERJACK	KAHALA	15,144	$5,286	2,063	$425	284	$138
BARRACUDA	KAKU	300	80	-	-	213	83
BARRACUDA, JAPANESE	KAWELEA	8	2	197	67	29	12
BIGEYE SCAD	AKULE	51,098	29,053	49,410	33,114	577	393
BONEFISH	OIO	1,181	275	3,137	808	51	15
CREVALLE:							
BLUE	ULUA	654	391	46	18	-	-
JACK	ULUA	3,751	1,561	3,241	1,599	528	300
DAMSELFISH	KUPIPI	-	-	-	-	146	80
DOLPHIN	MAHIMAHI	840	271	2,575	602	230	89
GOATFISHES:							
	KUMU	45	30	627	441	-	-
	MOANO	6	3	2	1	9	6
	MOELUA	-	-	3,094	1,753	116	76
	WEKE	2,285	1,268	1,352	544	-	-
	WEKE-ULA	1,803	1,005	2,035	440	-	-
MACKEREL, JACK	OPELU	29,693	10,088	8,573	2,705	1,973	865
MARLIN, STRIPED	AIU	273	64	210	42	-	-
MILKFISH	AWA	4	1	3,011	658	-	-
MOUNTAIN BASS	AHOLEHOLE	400	274	3,367	2,198	-	-
MULLET	AMAAMA	6,962	4,659	1,162	814	-	-
PARROT FISH	UHU	-	-	101	25	-	-
RED BIGEYE	AWEOWEO	143	51	366	147	-	-
RUDDERFISH	NENUE	-	-	33	12	-	-
RUNNER	LAI	-	-	494	153	2	1
SEA BASS, BLACK	HAPUUPUU	613	242	865	283	29	19
SNAPPER:							
GRAY	UKU	9,196	3,539	2,565	1,334	294	183
PINK	KALIKALI	38	19	26	9	2	1
PINK	OPAKAPAKA	869	377	29,276	14,030	524	247
RED	ULAULA	212	113	396	236	58	38
RED	ULAULA KOAE	135	26	184	105	35	25
SPOT	A'AWA	-	-	2	(1)	78	27
SQUIRRELFISH	UU	532	325	220	140	55	36

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY ISLANDS, 1961 - Continued

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH: - CONTINUED							
FISH - CONTINUED							
SURGEON FISH:							
	KALA	281	$101	155	$22	-	-
	PALANI	-	-	82	19	10	$4
TANG, CONVICT	MANINI	379	178	118	67	-	-
THREADFIN, PACIFIC	MOI	4,232	2,800	706	501	-	-
TUNA:							
BIGEYE AND BLUEFIN	AHI	729	223	-	-	-	-
LITTLE	KAWAKAWA	700	161	13	8	113	35
SKIPJACK	AKU	6,540	1,486	1,209,072	126,934	6,535	1,936
YELLOWFIN	AHI	21,518	5,512	175	34	53	15
TOTAL TUNA		29,487	7,382	1,209,260	126,976	6,701	1,986
WAHOO	ONO	4,912	1,155	130	34	85	40
UNCLASSIFIED		656	222	1,390	506	234	135
TOTAL FISH		166,132	70,841	1,330,471	190,828	12,263	4,799
SHELLFISH, ETC.							
ALGAE	LIMU	45	56	-	-	-	-
CRABS	KONA	7,290	4,478	-	-	-	-
LIMPET	OPIHI	24	62	-	-	10	25
LOBSTER, SPINY	ULA	4	2	227	122	-	-
OCTOPUS	HEE	1,463	1,079	525	269	-	-
SQUID	MUHEE	412	256	-	-	-	-
TURTLES	HONU	-	-	323	139	-	-
TOTAL SHELLFISH, ETC.		9,238	5,933	1,075	530	10	25
TOTAL OCEAN CATCH		175,370	76,774	1,331,546	191,358	12,273	4,824
GRAND TOTAL		175,370	76,774	1,331,546	191,358	12,273	4,824

1/ LESS THAN 50 CENTS.

2/ SALT WATER.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

CHARLES H. GILBERT
F.W.S.1003

UNDERWATER OBSERVATION CHAMBER IN BOW OF CHARLES H. GILBERT.

HAWAII - CATCH BY GEAR, 1961

SPECIES		HAUL SEINES		BAG NETS	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	10	$3	-	-
BARRACUDA	KAKU	4	2	-	-
BIGEYE SCAD	AKULE	134	72	196,345	$115,189
BONEFISH	OIO	3,690	2,255	14,315	4,373
CREVALLE, JACK	ULUA	2,938	2,086	495	319
DAMSELFISH	KUPIPI	2,649	959	75	38
DOLPHIN	MAHIMAHI	7	2	-	-
GOATFISHES:					
	KUMU	174	185	-	-
	MOANO	549	240	-	-
	WEKE	37,887	16,161	-	-
MACKEREL, JACK	OPELU	22	10	-	-
MILKFISH	AWA	43	13	-	-
MOUNTAIN BASS	AHOLEHOLE	186	160	-	-
PARROT FISH	UHU	2,325	927	53	17
RED BIGEYE	AWEOWEO	177	86	-	-
RUDDERFISH	NENUE	2,037	1,075	2,900	760
RUNNER	LAI	78	23	56	15
SARDINE	MAKIAWA	43	6	-	-
SNAPPER	UKU	124	44	-	-
SQUIRRELFISH	UU	9	4	-	-
SURGEON FISH:					
	KALA	4,923	1,090	-	-
	MAIKO	418	50	-	-
	PUALU	15,444	4,418	-	-
TANG, CONVICT	MANINI	1,492	748	-	-
TENPOUNDER	AWAAWA	-	-	18	5
THREADFIN	MOI	1,986	1,292	6,727	5,550
UNCLASSIFIED		2,183	1,123	187	38
OCTOPUS	HEE	10	8	-	-
TOTAL		79,542	33,042	221,171	126,304

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	1,775	$674	-	-	6,318	$2,005
BARRACUDA	KAKU	10	8	75	$60	236	75
BARRACUDA, JAPANESE	KAWELEA	-	-	113	39	4,024	1,768
BIGEYE SCAD	AKULE	6	6	5,473	3,086	83,097	70,205
BONEFISH	OIO	67	34	1,501	465	7,224	2,934
CREVALLE:							
BLUE	ULUA OMILU	1,977	1,175	443	309	1,173	708
JACK	ULUA	6,484	4,020	1,271	962	10,512	5,443
DAMSELFISH	KUPIPI	748	217	-	-	146	80
DOLPHIN	MAHIMAHI	-	-	-	-	26,130	6,655
EELS:							
CONGER	PUHI	5,935	954	-	-	119	53
MORAY	PUHI	1,651	205	-	-	8	1
GOATFISHES:							
	KUMU	13,361	14,281	1,019	661	686	726
	MALU	3,265	1,925	-	-	15	7
	MOANO	10,842	6,217	50	20	1,760	1,136
	MOELUA	-	-	-	-	771	400
	WEKE	30,772	11,006	9,244	3,500	3,437	2,339
	WEKE-ULA	4,318	2,977	-	-	4,098	1,987
MACKEREL, JACK	OPELU	-	-	-	-	120,143	54,303
MARLIN, BLACK	A'U	-	-	-	-	856	153
MILKFISH	AWA	-	-	3,184	790	8,634	3,331
MOUNTAIN BASS	AHOLEHOLE	-	-	3,966	2,487	433	294
MULLET	AMAAMA	551	493	17,619	12,309	74	63
PARROT FISH	UHU	1,861	805	109	35	731	310
RED BIGEYE	AWEOWEO	255	103	661	260	2,341	855
RUDDERFISH	NENUE	33	12	62	24	856	365
RUNNER	LAI	2	1	433	136	53	21
SARDINE	MAKIAWA	176	25	15	4	191	48
SEA BASS, BLACK	HAPUUPUU	-	-	-	-	223	106
SNAPPER:							
GRAY	UKU	807	377	-	-	6,218	2,690
PINK	KALIKALI	2	1	-	-	502	288
PINK	OPAKAPAKA	527	256	-	-	1,882	949
RED	ULAULA	-	-	-	-	631	538
RED	ULAULA KOAE	-	-	-	-	236	228
SPOT	A'AWA	140	23	2	(1)	1,026	178
SQUIRRELFISH	UU	1,985	1,518	948	684	9,884	6,984
SURGEON FISH:							
	KALA	5,287	320	2,248	335	32	10
	MAIKO	184	35	-	-	-	-
	PALANI	5,233	965	40	10	69	11
	PUALU	6,761	1,522	37	11	194	46

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY GEAR, 1961 - Continued

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TANG:							
CONVICT	MANINI	3,377	$1,493	261	$138	3	$1
ORANGE SPOT	NAENAE	733	111	-	-	-	-
TENPOUNDER	AWAAWA	86	34	2	1	1,064	406
THREADFIN	MOI	-	-	4,203	2,946	658	698
TRIGGERFISH	HUMUHUMU	747	338	-	-	384	61
TUNA:							
LITTLE	KAWAKAWA	-	-	-	-	1,065	146
SKIPJACK	AKU	-	-	-	-	10,944,412	1,304,698
YELLOWFIN	AHI	-	-	-	-	56,489	10,021
WAHOO	ONO	-	-	-	-	203	36
UNCLASSIFIED		4,392	1,360	711	455	5,446	1,627
CRABS:							
	PAPAI	4,574	1,372	-	-	-	-
	KUAHONU	94	52	-	-	-	-
LIMPETS	OPIHI	-	-	1	3	-	-
LOBSTER:							
SLIPPER	ULAPAPAPA	43	26	-	-	-	-
SPINY	ULA	5,636	3,814	6,858	4,638	-	-
OCTOPUS	HEE	1,389	756	216	184	106	62
SQUID	MUHEE	-	-	-	-	453	263
TOTAL		126,086	59,511	60,745	34,582	11,315,246	1,486,312

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	-	-	63,710	$18,365	-	-
BARRACUDA	KAKU	6	$3	2,185	553	-	-
BARRACUDA, JAPANESE	KAWELEA	-	-	346	142	31	$17
BIGEYE SCAD	AKULE	-	-	374	293	-	-
BONEFISH	OIO	-	-	2,132	910	2	1
CREVALLE:							
BLUE	ULUA OMILU	-	-	2,172	1,111	4	2
JACK	ULUA	110	41	46,213	16,796	-	-
DOLPHIN	MAHIMAHI	1,791	734	88,299	40,361	-	-
EELS, CONGER	PUHI	-	-	9	1	-	-
GOATFISHES:							
	KUMU	-	-	34	39	-	-
	MOANO	-	-	262	234	-	-
	MOELUA	-	-	2,345	1,383	98	50
	WEKE	-	-	424	258	-	-
	WEKE-ULA	-	-	6,756	5,033	1	1
MACKEREL, JACK	OPELU	-	-	98	54	83,712	29,902
MARLIN:							
BLACK	A'U	28,506	3,740	240,666	71,439	-	-
SAILFISH	A'U LEPE	-	-	4,578	816	-	-
SILVER	A'U	782	134	15,456	4,778	-	-
STRIPED	A'U	206	57	226,637	62,995	-	-
MILKFISH	AWA	-	-	295	102	-	-
PARROT FISH	UHU	-	-	465	230	-	-
RED BIGEYE	AWEOWEO	-	-	56	23	-	-
RUDDERFISH	NENUE	-	-	2	1	-	-
SARDINE	MAKIAWA	-	-	233	50	-	-
SEA BASS, BLACK	HAPUUPUU	-	-	18,413	9,602	-	-
SNAPPER:							
GRAY	UKU	-	-	34,766	14,738	-	-
PINK	KALIKALI	-	-	18,567	9,328	-	-
PINK	OPAKAPAKA	-	-	87,862	42,172	-	-
RED	ULAUALA	-	-	12,165	10,633	-	-
RED	ULAULA KOAE	-	-	42,681	37,359	-	-
SPOT	A'AWA	-	-	100	20	-	-
SQUIRRELFISH	UU	-	-	296	228	-	-
SURGEON FISH:							
	KALA	-	-	113	32	-	-
	PALANI	-	-	47	10	-	-
	PUALU	-	-	531	114	-	-
SWORDFISH	A'U	-	-	22,744	4,341	-	-
THREADFIN	MOI	-	-	5	2	-	-
TRIGGERFISH	HUMUHUMU	-	-	4	1	-	-
TUNA:							
ALBACORE	AHIPALAHA	-	-	13,560	4,079	-	-
BIGEYE AND BLUEFIN	AHI	497	142	1,036,907	507,433	-	-
LITTLE	KAWAKAWA	121	38	821	188	-	-
SKIPJACK	AKU	4,775	1,396	2,141	641	-	-
YELLOWFIN	AHI	5,650	1,366	396,655	157,032	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY GEAR, 1961 - Continued

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WAHOO.	ONO	1,278	$250	23,780	$4,784	-	-
UNCLASSIFIED	. . . .	70	21	8,575	2,438	36	$12
CRABS.	KONA.	-	-	-	-	17,729	13,123
OCTOPUS.	HEE	-	-	118	53	-	-
SQUID.	MUHEE	-	-	7	4	-	-
TOTAL.		43,792	7,922	2,424,805	1,031,199	101,613	43,108

SPECIES		CAST NETS		SPEARS		BY HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GOATFISH	KUMU.	6	$6	-	-	-	-
MOUNTAIN BASS.	AHOLEHOLE	40	20	-	-	-	-
MULLET	AMAAMA.	36	25	-	-	-	-
TANG, CONVICT.	MANINI.	607	316	-	-	-	-
THREADFIN.	MOI	257	144	-	-	-	-
UNCLASSIFIED	. . . .	115	72	-	-	-	-
LIMPET	OPIHI	-	-	-	-	2,144	$4,799
LOBSTER, SPINY	ULA	-	-	-	-	12	6
OCTOPUS.	HEE	-	-	1,945	$1,281	-	-
TOTAL.		1,061	583	1,945	1,281	2,156	4,805

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK.	KAHALA.	17	$4	-	-	-	-
BARRACUDA.	KAKU.	-	-	-	-	647	$480
BONEFISH	OIO	227	69	-	-	141	78
CREVALLE:							
BLUE	ULUA OMILU. . . .	-	-	-	-	12	12
JACK	ULUA.	367	162	-	-	1,719	1,643
DAMSELFISH	KUPIPI.	16	7	-	-	-	-
EELS:							
CONGER	PUHI.	-	-	-	-	18	3
MORAY.	PUHI.	-	-	-	-	22	4
GOATFISHES:							
	KUMU.	25	9	-	-	5	5
	MOANO	133	59	-	-	-	-
	WEKE.	2,861	1,390	-	-	91	33
MILKFISH	AWA	943	386	-	-	6,812	3,737
MOUNTAIN BASS.	AHOLEHOLE	66	36	-	-	2,974	913
MULLET	AMAAMA.	454	378	-	-	48,727	46,096
PARROT FISH.	UHU	88	36	-	-	-	-
RED BIGEYE	AWEOWEO	65	16	-	-	-	-
RUDDERFISH	NENUE	936	298	-	-	-	-
RUNNER	LAI	-	-	-	-	53	15
SNAPPER:							
GRAY	UKU	63	15	-	-	-	-
PINK	KALIKALI.	2	1	-	-	-	-
SPOT	A'AWA	24	12	-	-	-	-
SQUIRRELFISH	UU.	55	33	-	-	-	-
SURGEON FISH:							
	KALA.	277	86	-	-	-	-
	MAIKO	36	14	-	-	-	-
	PALANI.	4	(1)	-	-	-	-
	PUALU	1,963	331	-	-	320	80
TANG, CONVICT.	MAÑINI.	1,358	846	-	-	-	-
TENPOUNDER	AWAAWA.	-	-	-	-	1,116	507
THREADFIN.	MOI	47	47	-	-	655	656
TILAPIA.	. . . .	-	-	-	-	38	10
UNCLASSIFIED	. . . .	4,450	2,399	3	(1)	32	12
ALGAE.	LIMU.	-	-	45	$56	-	-
CLAMS, HARD.	OLEPE	-	-	-	-	36	51
CRABS:							
	PAPAI	-	-	-	-	4,053	1,540
	MOALA	-	-	-	-	169	63
	SAMOAN.	-	-	-	-	694	503
	KONA.	12	11	-	-	-	-
	KUAHONU	-	-	-	-	2,136	1,488
LOBSTER, SPINY	ULA	115	85	-	-	-	-
OCTOPUS.	HEE	13	8	-	-	-	-
SHRIMP	OPAE.	212	288	-	-	6	9
SQUID.	MUHEE	-	-	7,982	3,181	-	-
TURTLES.	HONU.	-	-	323	139	-	-
TOTAL.		14,829	7,026	8,353	3,376	70,476	57,938

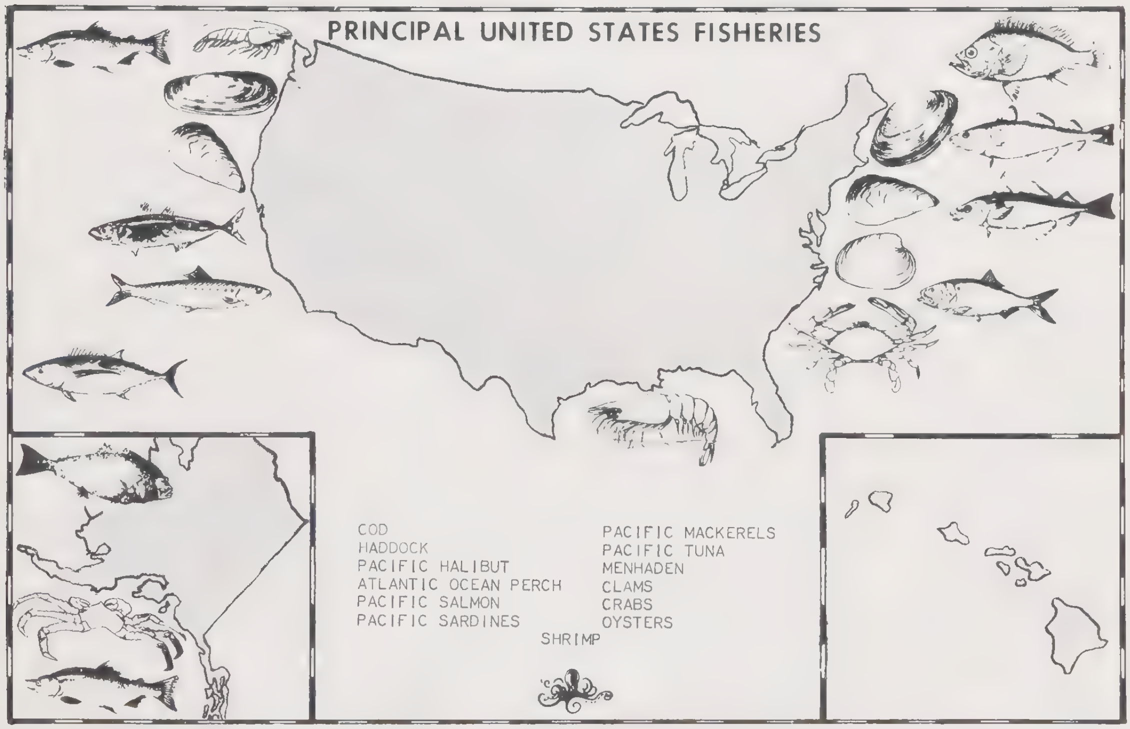
1/ LESS THAN 50 CENTS.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

SECTION 11

REVIEW OF CERTAIN MAJOR FISHERIES

There are presented in this Section of the Digest complete data on the catch of certain major species of fish and shellfish taken on a commercial scale in the United States. Additional information is presented on the operating units engaged in the menhaden purse seine, salmon troll, the shrimp and fish otter trawl, and the tuna fisheries. Although the data on catch are included in the detailed catch tables of the various States, they have been repeated in individual fishery tables in this portion of the report to provide readers with a single source of catch data for cod, haddock, halibut, Pacific mackerel, jack mackerel, menhaden, Atlantic ocean perch, Pacific sardines, salmon, tuna, oysters, clams, crabs, and shrimp. Most of the above species are taken by several types of fishing gear. Because of this, the casual reader of the Digest often experiences difficulty in locating complete data on the catch of the species in individual State catch tables. The information contained in this Section includes the volume and value of the catch by individual types of gear and by States and districts.



UNITED STATES COD FISHERY

In 1961, United States fishermen landed 49.7 million pounds of cod valued at $3 million. This was an increase of 3.9 million pounds (9 percent) and $186,000 (6 percent) compared with the catch of the previous year.

Otter trawls accounted for 81 percent of the catch; lines of all types, 14 percent; and gill nets, 5 percent. The remaining catch was taken in pound nets, floating traps, pots and traps, and dredges.

Landings at Massachusetts ports, amounting to 38 million pounds, accounted for 77 percent of the total catch. Washington was second with 3 million pounds, followed by Maine, 2.5 million pounds; and New Jersey, 2.4 million pounds. The remaining catch was landed in 8 other Atlantic and Pacific Coast States.

SUMMARY OF COD CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	OTTER TRAWLS		POUND NETS		FLOATING TRAPS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	1,163	50	-	-	-	-
MASSACHUSETTS	33,659	2,073	3	(1)	12	1
RHODE ISLAND	762	48	-	-	91	8
CONNECTICUT	364	23	-	-	-	-
TOTAL	35,948	2,194	3	(1)	103	9
MIDDLE ATLANTIC:						
NEW YORK	2/816	2/ 73	-	-	-	-
NEW JERSEY	319	26	-	-	-	-
TOTAL	1,135	99	-	-	-	-
CHESAPEAKE:						
MARYLAND	125	13	-	-	-	-
VIRGINIA	(1)	(1)	-	-	-	-
TOTAL	125	13	-	-	-	-
PACIFIC:						
WASHINGTON	2,955	145	-	-	-	-
OREGON	104	5	-	-	-	-
TOTAL	3,059	150	-	-	-	-
GRAND TOTAL	40,267	2,456	3	(1)	103	9

AREA AND STATE	POTS AND TRAPS		GILL NETS		LINES	
					HAND	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	783	55	143	4
MASSACHUSETTS	-	-	1,556	94	752	49
RHODE ISLAND	-	-	-	-	117	7
CONNECTICUT	-	-	-	-	36	2
TOTAL	-	-	2,339	149	1,048	62
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	21	2
NEW JERSEY	1	(1)	-	-	5	(1)
TOTAL	1	(1)	-	-	26	2
CHESAPEAKE, MARYLAND	-	-	-	-	1	(1)
PACIFIC, WASHINGTON	-	-	8	(1)	-	-
GRAND TOTAL	1	(1)	2,347	149	1,075	64

AREA AND STATE	LINES - CONTINUED				DREDGES		TOTAL	
	TROLL		LONG OR SET WITH HOOKS					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	418	15	-	-	2,507	124
NEW HAMPSHIRE	-	-	30	2	-	-	30	2
MASSACHUSETTS	-	-	2,183	144	1	(1)	38,166	2,361
RHODE ISLAND	-	-	96	6	-	-	1,066	69
CONNECTICUT	-	-	-	-	-	-	400	25
TOTAL	-	-	2,727	167	1	(1)	42,169	2,581
MIDDLE ATLANTIC:								
NEW YORK	-	-	329	29	-	-	1,166	104
NEW JERSEY	(1)	(1)	2,080	207	-	-	2,405	233
DELAWARE	-	-	32	3	-	-	32	3
TOTAL	(1)	(1)	2,441	239	-	-	3,603	340
CHESAPEAKE:								
MARYLAND	-	-	663	58	-	-	789	71
VIRGINIA	-	-	30	3	-	-	30	3
TOTAL	-	-	693	61	-	-	819	74
PACIFIC:								
WASHINGTON	(1)	(1)	-	-	-	-	2,963	145
OREGON	-	-	-	-	-	-	104	5
TOTAL	(1)	(1)	-	-	-	-	3,067	150
GRAND TOTAL	(1)	(1)	5,861	467	1	(1)	49,658	3,145

1/ LESS THAN 500 POUNDS OR $500.

2/ INCLUDES A SMALL CATCH TAKEN WITH HAUL SEINES.

REVIEW OF CERTAIN MAJOR FISHERIES

ATLANTIC COAST HADDOCK FISHERY

The 1961 commercial catch of haddock totaled 133.6 million pounds valued at $10 million. This was an increase of almost 15 million pounds or 13 percent and $509,000 or 5 percent compared with 1960. The average price paid for haddock declined slightly from 7.9 cents per pound in 1960 to 7.4 cents in 1961.

Landings of haddock at Massachusetts ports (130.5 million pounds) were the largest since 1956 and accounted for 98 percent of the 1961 United States catch of this species. The catch by otter trawls comprised 98 percent of the total haddock production. The remaining 2 percent was taken with gill nets and lines.

About 85 percent of the catch was taken from waters off New England--principally in the Georges Bank and South Channel areas. Waters off Nova Scotia accounted for about 15 percent.

SUMMARY OF HADDOCK CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	OTTER TRAWLS		GILL NETS	
	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:				
MAINE	2,621	197	150	15
MASSACHUSETTS	127,685	9,424	181	14
RHODE ISLAND.	64	4	-	-
CONNECTICUT	18	1	-	-
TOTAL.	130,388	9,626	331	29
MIDDLE ATLANTIC:				
NEW YORK.	60	6	-	-
NEW JERSEY.	1	(1)	-	-
TOTAL.	61	6	-	-
GRAND TOTAL.	130,449	9,632	331	29

AREA AND STATE	LINES				TOTAL	
	HAND		LONG OR SET WITH HOOKS			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	1	(1)	168	15	2,940	227
NEW HAMPSHIRE	-	-	35	3	35	3
MASSACHUSETTS	220	15	2,392	213	130,478	9,666
RHODE ISLAND.	-	-	-	-	64	4
CONNECTICUT	1	(1)	-	-	19	1
TOTAL	222	15	2,595	231	133,536	9,901
MIDDLE ATLANTIC:						
NEW YORK.	-	-	-	-	60	[illegible]
NEW JERSEY.	-	-	-	-	1	(1)
TOTAL.	-	-	-	-	61	6
GRAND TOTAL.	222	15	2,595	231	133,597	9,907

1/ LESS THAN $500.

PACIFIC COAST HALIBUT FISHERY

The halibut fishery of the United States and Canada in the Northwest Pacific Ocean and Bering Sea is managed by the International Pacific Halibut Commission. Under regulation, the fishery, which had declined to an unprofitable state, has been restored to a highly profitable condition.

The total catch in 1961 by United States and Canadian fishermen amounted to 69.5 million pounds (dressed weight). The catch was approximately 2.4 million pounds less than the record 72 million pounds taken in 1960. Contributing to the decline was the elimination of the second fishing season in area 2. This short postseason in area 2 usually yields about half the amount of the 1961 decline. United States fishermen accounted for 40 million pounds or 58 percent of the 1961 total production. Canadian fishermen, reversing a recent growth trend, were not so successful as in the previous year when they accounted for 47 percent of the catch.

In 1961, the former Area 3B was divided into north and south sections both without catch limit restrictions. Area 3B (north) opened April 10 while Area 3B (south) opened April 25. All other areas opened on May 10. Area 3A closed to halibut fishing on August 23, followed by Areas 2 and 1B on September 7, and Areas 1A and 3B on October 1.

Data on the landings of halibut in the following tables represent the dressed weight of fish, i.e., the weight by which the quota is determined. The dressed weight of halibut can be converted to round weight by multiplying by 1.33. Halibut landed in Canada by vessels of United States registry is credited to Alaska.

SUMMARY OF UNITED STATES HALIBUT FLEET OPERATING UNITS, 1961

ITEM	WASHINGTON AND OREGON FLEET	ALASKA FLEET	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
REGULAR HALIBUT VESSELS:			
NUMBER	121	285	327
GROSS TONNAGE	5,460	8,691	10,264
CREW	682	1,245	1,460
SKATES OF LINES	4,627	8,724	9,931
REGULAR HALIBUT:			
NUMBER	-	29	29
CREW	-	48	48
SKATES OF LINES	-	175	175
BOATS PRIMARILY IN OTHER FISHERIES BUT LANDING SMALL FARES OF HALIBUT 1/:			
NUMBER	-	56	56
CREW	-	84	84
SKATES OF LINES	-	280	280

1/ DOES NOT INCLUDE TROLLERS OR OTHER BOATS CATCHING HALIBUT INCIDENTAL TO OTHER FISHING OPERATIONS.

NOTE:--UNITED STATES VESSELS LANDING HALIBUT AT PRINCE RUPERT, BRITISH COLUMBIA, HAVE BEEN INCLUDED WITH THOSE LANDING IN ALASKA.

CATCH BY UNITED STATES HALIBUT FLEET, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HALIBUT	14,895	3,518	1,755	380	23,375	4,498	40,025	8,396
SABLEFISH	1,934	377	(1)	(1)	935	160	2,869	537
LINGCOD	33	2	-	-	1	(1)	34	2
ROCKFISHES	83	4	-	-	5	(1)	88	4
TOTAL	16,945	3,901	1,755	380	24,316	4,658	43,016	8,939

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--IN ADDITION THERE WERE APPROXIMATELY 40,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS." LANDINGS OF HALIBUT LIVERS DURING 1961 AMOUNTED TO 43,934 POUNDS VALUED AT $9,618. LANDINGS OF HALIBUT VISCERA TOTALED 14,138 POUNDS VALUED AT $1,060. THE QUANTITIES SHOWN ABOVE REPRESENT DRESSED WEIGHT OF FISH. TO CONVERT TO ROUND WEIGHT, MULTIPLY THE WEIGHT OF HALIBUT BY 1.33 AND OTHER SPECIES BY 1.43.

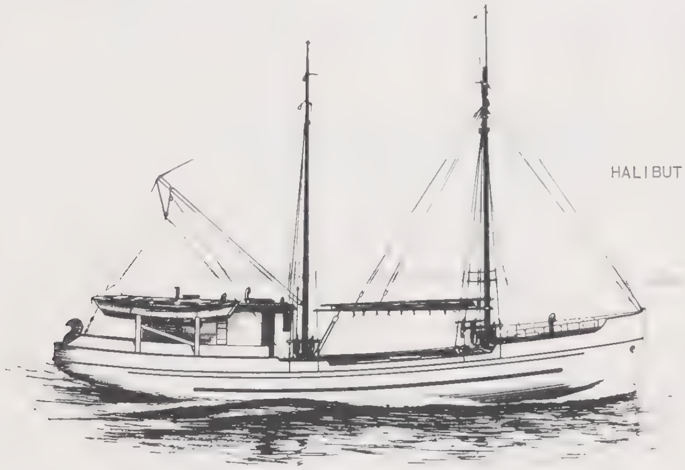
SUMMARY OF UNITED STATES AND CANADIAN HALIBUT CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
UNITED STATES FLEET 1/. .	14,895	3,518	1,755	380	23,375	4,498	40,025	8,396
BRITISH COLUMBIA FLEET. .	1,913	490	24,914	5,307	2,639	452	29,466	6,249
TOTAL	16,808	4,008	26,669	5,687	26,014	4,950	69,491	14,645

1/ IN ADDITION THERE WERE APPROXIMATELY 40,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS."

NOTE:--HALIBUT STATISTICS IN THESE TABLES WERE COMPILED FROM DATA COLLECTED BY THE INTERNATIONAL PACIFIC HALIBUT COMMISSION. STATISTICS FOR OTHER SPECIES WERE FURNISHED BY THE STATES.



HALIBUT SCHOONER

ATLANTIC OCEAN PERCH FISHERY

The catch of Atlantic ocean perch in 1961 totaled 132 million pounds valued at $5 million. This was a decrease of 9.4 million pounds and $306,000 (down 7 percent in volume and 6 percent in value compared with 1960) and the lowest catch since 1945.

Except for a negligible amount taken with longlines, the fish were captured by Maine and Massachusetts otter trawlers. The Maine production accounted for 77.4 million pounds and $2.9 million--59 percent and 58 percent, respectively, of the total volume and value of the ocean perch catch.

Ocean perch were caught in greatest volume on the Nova Scotia banks, which yielded 63.8 million pounds or 48 percent of the entire catch. The Grand Bank was next with 36.8 million pounds or 28 percent. The remainder of the catch was taken off the New England Coast or in the Gulf of St. Lawrence.

The ocean perch fishery reached its height in 1951 when 258 million pounds were taken. The following year marked the launching of the last new vessel to enter the ocean perch fleet. Since that year there has been a gradual decline in the size of the fleet and the catch. This downward trend has developed chiefly because of low prices, scarcity of ocean perch in areas readily available to smaller craft, and fewer vessels capable of reaching distant fishing grounds.

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PACIFIC COAST SALMON FISHERY

The 1961 commercial salmon catch in the Pacific Coast States totaled 310 million pounds valued at $52 million--an increase of 75 million pounds and $7 million over the previous year. The Alaska catch (265 million pounds valued at $36 million) was up 28 percent in volume and 7 percent in value. Washington landings of 30 million pounds increased 13 million pounds or 81 percent, while the value ($9 million) was up 59 percent over 1960. In both Oregon (7 million pounds) and California (9 million pounds), production was about 2 million pounds over the previous year.

The catch of red salmon in Western Alaska was the best since 1948, with the total run amounting to nearly 22 million fish. Red salmon averaged 5.9 pounds per fish in Western Alaska compared with 4.8 pounds in 1960. Purse seines were the most important gear used in taking salmon, accounting for 147 million pounds (47 percent) of the total catch. Gill nets were second with nearly 130 million pounds (42 percent). The remaining 11 percent was taken by lines, floating traps, haul seines, reef nets, pound nets, dip nets, and wheels.

SALMON

SUMMARY OF PACIFIC COAST SALMON TROLL LINE OPERATING UNITS, 1961

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	814	952	606	1,779	3,623
ON BOATS AND SHORE	980	818	431	1,669	3,898
TOTAL	1,794	1,770	1,037	3,448	7,521
VESSELS, MOTOR:					
5 - 9 TONS	217	164	85	120	533
10 - 19 TONS	355	329	192	432	1,126
20 - 29 TONS	80	83	60	152	306
30 - 39 TONS	20	31	13	60	98
40 - 49 TONS	7	2	2	12	19
50 - 59 TONS	-	-	1	1	2
60 - 69 TONS	1	1	1	-	3
70 - 79 TONS	-	-	1	-	1
80 - 89 TONS	-	1	-	-	1
100 - 109 TONS	-	-	-	1	1
TOTAL VESSELS	680	611	355	778	2,090
TOTAL GROSS TONNAGE	9,392	9,089	5,406	13,180	31,381
BOATS, MOTOR	831	690	359	954	2,834
GEAR:					
NUMBER OF LINES	6,036	5,936	3,366	9,474	22,862
HOOKS	37,281	23,698	14,334	37,896	104,757

REVIEW OF CERTAIN MAJOR FISHERIES

SALMON CATCH BY DISTRICT AND GEAR, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	ALASKA			
	SOUTHEASTERN	CENTRAL	WESTERN	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
PURSE SEINES:				
CHINOOK OR KING.	98	23	5	126
CHUM OR KETA	20,043	12,309	800	33,152
PINK	56,850	36,526	442	93,818
RED OR SOCKEYE	2,722	5,144	180	8,046
SILVER OR COHO	2,299	322	3	2,624
TOTAL.	82,012	54,324	1,430	137,766
FLOATING TRAPS:				
CHINOOK OR KING.	1	-	-	1
CHUM OR KETA	392	-	-	392
PINK	4,796	-	-	4,796
RED OR SOCKEYE	119	-	-	119
SILVER OR COHO	85	-	-	85
TOTAL.	5,393	-	-	5,393
GILL NETS, DRIFT:				
CHINOOK OR KING.	309	192	2,240	2,741
CHUM OR KETA	2,504	2,449	5,083	10,036
PINK	1,813	118	2	1,933
RED OR SOCKEYE	1,291	8,326	67,359	76,976
SILVER OR COHO	815	1,840	211	2,866
TOTAL.	6,732	12,925	74,895	94,552
GILL NETS, SET:				
CHINOOK OR KING.	46	414	2,650	3,110
CHUM OR KETA	156	1,425	937	2,518
PINK	366	2,434	91	2,891
RED OR SOCKEYE	613	4,662	4,803	10,078
SILVER OR COHO	1,088	677	447	2,212
TOTAL.	2,269	9,612	8,928	20,809
LINES, TROLL:				
CHINOOK OR KING.	2,517	5	-	2,522
CHUM OR KETA	23	-	-	23
PINK	98	1	-	99
RED OR SOCKEYE	9	1	-	10
SILVER OR COHO	3,512	87	-	3,599
TOTAL.	6,159	94	-	6,253
WHEELS, CHINOOK OR KING. . . .	-	-	41	41
GRAND TOTAL.	102,565	76,955	85,294	264,814

GEAR AND SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES:								
CHINOOK OR KING.	146	51	-	-	-	-	146	51
CHUM OR KETA	23	4	-	-	-	-	23	4
PINK	528	85	-	-	-	-	528	85
SILVER OR COHO	153	43	-	-	-	-	1.53	43
TOTAL.	850	183	-	-	-	-	[illegible]	[illegible]
PURSE SEINES:								
CHINOOK OR KING.	385	96	-	-	-	-	[illegible]	[illegible]
CHUM OR KETA	648	143	-	-	-	-	[illegible]	[illegible]
PINK	2,395	388	-	-	-	-	[illegible]	[illegible]
RED OR SOCKEYE	4,799	1,564	-	-	-	-	[illegible]	[illegible]
SILVER OR COHO	[illegible]	[illegible]	-	-	-	-	[illegible]	[illegible]
TOTAL	9,215	[illegible]	-	-	-	-	[illegible]	[illegible]

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

SALMON CATCH BY DISTRICT AND GEAR, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
POUND NETS:								
CHINOOK OR KING.	116	41	-	-	35	4	151	45
CHUM OR KETA	2	(1)	-	-	-	-	2	(1)
PINK	205	33	-	-	-	-	205	33
RED OR SOCKEYE	1	1	-	-	-	-	1	1
SILVER OR COHO..	117	33	-	-	(1)	(1)	117	33
TOTAL.	441	108	-	-	35	4	476	112
GILL NETS:								
CHINOOK OR KING.	911	335	498	183	1,248	462	2,657	980
CHUM OR KETA	830	169	460	83	5	1	1,295	253
PINK	1,147	192	(1)	(1)	-	-	1,147	192
RED OR SOCKEYE	2,826	922	152	78	53	21	3,031	1,021
SILVER OR COHO	2,035	600	1,011	301	105	28	3,151	929
TOTAL.	7,749	2,218	2,121	645	1,411	512	11,281	3,375
LINES:								
CHINOOK OR KING.	1,059	507	1,311	638	175	84	2,545	1,229
CHUM OR KETA	1	(1)	(1)	(1)	-	-	1	(1)
PINK	343	86	106	21	(1)	(1)	449	107
RED OR SOCKEYE	6	2	(1)	(1)	-	-	6	2
SILVER OR COHO	1,764	543	1,553	478	863	258	4,180	1,279
TOTAL.	3,173	1,138	2,970	1,137	1,038	342	7,181	2,617
DIP NETS:								
CHINOOK OR KING.	-	-	-	-	103	36	103	36
RED OR SOCKEYE	-	-	-	-	(1)	(1)	(1)	(1)
SILVER OR COHO	-	-	-	-	7	2	7	2
TOTAL.	-	-	-	-	110	38	110	38
REEF NETS:								
CHINOOK OR KING.	23	6	-	-	-	-	23	6
CHUM OR KETA	20	4	-	-	-	-	20	4
PINK	191	31	-	-	-	-	191	31
RED OR SOCKEYE	473	154	-	-	-	-	473	154
SILVER OR COHO	78	22	-	-	-	-	78	22
TOTAL.	785	217	-	-	-	-	785	217
GRAND TOTAL.	22,213	6,331	5,091	1,782	2,594	896	29,898	9,009

GEAR AND SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GILL NETS:						
CHINOOK OR KING.	2,797	1,035	10	3	2,807	1,038
CHUM OR KETA..	12	2	17	2	29	4
RED OR SOCKEYE	106	43	-	-	106	43
SILVER OR COHO	275	75	11	3	286	78
TOTAL.	3,190	1,155	38	8	3,228	1,163
LINES:						
CHINOOK OR KING.	115	56	1,299	655	1,414	711
PINK	(1)	(1)	(1)	(1)	(1)	(1)
SILVER OR COHO	435	132	1,881	555	2,316	687
TOTAL.	550	188	3,180	1,210	3,730	1,398
DIP NETS:						
CHINOOK OR KING.	89	18	-	-	89	18
CHUM OR KETA	(1)	(1)	-	-	(1)	(1)
SILVER OR COHO	1	(1)	-	-	1	(1)
TOTAL.	90	18	-	-	90	18
GRAND TOTAL.	3,830	1,361	3,218	1,218	7,048	2,579

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON CATCH BY DISTRICT AND GEAR, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
LINES:						
CHINOOK OR KING.	3,660	1,972	3,642	2,092	652	363
SILVER OR COHO	475	166	60	21	2	1
TOTAL.	4,135	2,138	3,702	2,113	654	364

GEAR AND SPECIES	CALIFORNIA - CONTINUED					
	SANTA BARBARA		SAN PEDRO		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
LINES:						
CHINOOK OR KING.	134	76	13	7	8,101	4,510
SILVER OR COHO	(1)	(1)	-	-	537	188
TOTAL.	134	76	13	7	8,638	4,698

1/ LESS THAN 500 POUNDS OR $500.
*NOTE:--IN ALASKA, THE CATCH TAKEN BY HAUL SEINES IS INCLUDED WITH THAT TAKEN BY PURSE SEINES.

SUMMARY OF SALMON CATCH BY DISTRICTS, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	2,971	1,255	634	151	4,936	837	8,541	2,243
CHUM OR KETA	23,118	2,126	16,183	1,166	6,820	554	46,121	3,846
PINK	63,923	6,337	39,079	3,738	535	40	103,537	10,115
RED OR SOCKEYE	4,754	1,239	18,133	3,995	72,342	12,305	95,229	17,539
SILVER OR COHO	7,799	1,526	2,926	414	661	58	11,386	1,998
TOTAL.	102,565	12,483	76,955	9,464	85,294	13,794	264,814	35,741

SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	2,640	1,036	1,809	821	1,561	586	6,010	2,443
CHUM OR KETA	1,524	320	460	83	5	1	1,989	404
PINK	4,809	815	106	21	(1)	(1)	4,915	836
RED OR SOCKEYE	8,104	2,643	152	78	53	21	8,309	2,742
SILVER OR COHO	5,136	1,517	2,564	779	975	288	8,675	2,584
TOTAL.	22,213	6,331	5,091	1,782	2,594	896	29,898	9,009

SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	3,001	1,109	1,309	658	4,310	1,767
CHUM OR KETA	12	2	17	2	29	4
PINK	(1)	(1)	(1)	(1)	(1)	(1)
RED OR SOCKEYE	106	43	-	-	106	43
SILVER OR COHO	711	207	1,892	558	2,603	765
TOTAL.	3,830	1,361	3,218	1,218	7,048	2,579

SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	3,660	1,972	3,642	2,092	652	363
SILVER OR COHO	475	166	60	21	2	1
TOTAL.	4,135	2,138	3,702	2,113	654	364

SPECIES	CALIFORNIA - CONTINUED					
	SANTA BARBARA		SAN PEDRO		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	134	76	13	7	8,101	4,510
SILVER OR COHO	(1)	(1)	-	-	537	188
TOTAL.	134	76	13	7	8,638	4,698

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF SALMON CATCH BY GEAR, 1961

(THOUSANDS OF POUNDS)

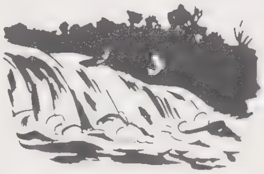
STATE AND DISTRICT	HAUL SEINES	PURSE SEINES	POUND NETS	FLOATING TRAPS	GILL NETS
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALASKA:					
SOUTHEASTERN	-	82,012	-	5,393	9,001
CENTRAL.	-	54,324	-	-	22,537
WESTERN.	-	1,430	-	-	83,823
TOTAL.	-	137,766	-	5,393	115,361
WASHINGTON:					
PUGET SOUND.	850	9,215	441	-	7,749
WASHINGTON COAST	-	-	-	-	2,121
COLUMBIA RIVER	-	-	35	-	1,411
TOTAL.	850	9,215	476	-	11,281
OREGON:					
COLUMBIA RIVER	-	-	-	-	3,190
OREGON COAST	-	-	-	-	38
TOTAL.	-	-	-	-	3,228
GRAND TOTAL.	850	146,981	476	5,393	129,870

STATE AND DISTRICT	LINES	DIP NETS	REEF NETS	FISH WHEELS	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALASKA:					
SOUTHEASTERN	6,159	-	-	-	102,565
CENTRAL.	94	-	-	-	76,955
WESTERN.	-	-	-	41	85,294
TOTAL.	6,253	-	-	41	264,814
WASHINGTON:					
PUGET SOUND.	3,173	-	785	-	22,213
WASHINGTON COAST	2,970	-	-	-	5,091
COLUMBIA RIVER	1,038	110	-	-	2,594
TOTAL.	7,181	110	785	-	29,898
OREGON:					
COLUMBIA RIVER	550	90	-	-	3,830
OREGON COAST	3,180	-	-	-	3,218
TOTAL.	3,730	90	-	-	7,048
CALIFORNIA:					
NORTHERN	4,135	-	-	-	4,135
SAN FRANCISCO.	3,702	-	-	-	3,702
MONTEREY	654	-	-	-	654
SANTA BARBARA.	134	-	-	-	134
SAN PEDRO.	13	-	-	-	13
TOTAL.	8,638	-	-	-	8,638
GRAND TOTAL.	25,802	200	785	41	310,398

SUMMARY OF SALMON CATCH BY SPECIES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	QUANTITY	VALUE
CHINOOK OR KING	26,962	10,963
CHUM OR KETA	48,139	4,254
PINK	108,452	10,951
RED OR SOCKEYE	103,644	20,324
SILVER OR COHO	23,201	5,535
TOTAL	310,398	52,027



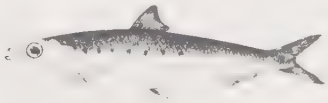
PACIFIC COAST SARDINE FISHERY

The scant 43 million pounds of sardines taken during 1961 was a marked decline from the 58 million pounds in 1960 and the average of nearly 109 million pounds during the previous decade. Sardines failed to appear in appreciable quantities throughout the year; and in addition, rough weather, heavy rain, and fog hampered operations through the late fall and winter.

Few straight catches of sardines were made, and most landings consisted of trips with 30-40 percent sardines and 60-70 percent mackerel.

The entire sardine catch was taken with purse seines and lampara nets. The San Pedro district accounted for 77 percent of the landings and the Santa Barbara, 20 percent. The remaining 3 percent was taken in the Monterey and San Diego districts.

In June 1961, the State of California enacted legislation extending the 1961 and 1962 sardine fishing seasons 2 months to permit taking sardines during January and February of 1962 and 1963.



SARDINE, PACIFIC

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC MACKEREL FISHERIES

The 1961 catch of jack mackerel (97.8 million pounds) was up 22.7 million pounds compared with 1960. Landings of Pacific mackerel (44 million pounds) were 7 million pounds greater than in the previous year. The combined mackerel catch amounted to 142 million pounds valued at $3 million--an increase of 30 million pounds and $644,000 over 1960. As in previous years, most of the catch of jack mackerel (81 percent) and Pacific mackerel (94 percent) was landed in the San Pedro district.

Nearly all of the jack mackerel and 93.4 percent of the Pacific mackerel were taken by purse seines and lampara nets. Brail or scoop nets accounted for 6.5 percent of the Pacific mackerel catch.

SUMMARY OF JACK MACKEREL CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	PURSE SEINES AND LAMPARA NETS 1/		OTTER TRAWLS		LINES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
SAN FRANCISCO	20	1	1	(1)	-	-
MONTEREY	3,636	85	15	(1)	-	-
SANTA BARBARA	14,792	281	-	-	-	-
SAN PEDRO	79,139	1,658	-	-	-	-
TOTAL	97,587	2,025	16	(1)	-	-
HAWAII	(3)	(3)	-	-	120	54
GRAND TOTAL	97,587	2,025	16	(1)	120	54

STATE AND DISTRICT	DIP, BRAIL, OR SCOOP NETS 2/		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:				
SAN FRANCISCO	-	-	21	1
MONTEREY	-	-	3,651	85
SANTA BARBARA	3	(1)	14,795	281
SAN PEDRO	-	-	79,139	1,658
TOTAL	3	(1)	97,606	2,025
HAWAII	84	30	204	84
GRAND TOTAL	87	30	97,810	2,109

1/ INCLUDES THE CATCH BY HAUL SEINES IN HAWAII.
2/ INCLUDES THE CATCH BY LIFT NETS IN HAWAII.
3/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF PACIFIC MACKEREL CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		LINES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
MONTEREY	10	(1)	(1)	(1)	-	-
SANTA BARBARA	2,354	47	-	-	-	-
SAN PEDRO	38,783	843	-	-	35	1
SAN DIEGO	72	3	-	-	-	-
TOTAL	41,219	893	(1)	(1)	35	1

STATE AND DISTRICT	DIP, BRAIL, OR SCOOP NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:				
MONTEREY	-	-	10	(1)
SANTA BARBARA	124	3	2,478	50
SAN PEDRO	2,727	59	41,545	903
SAN DIEGO	5	(1)	77	3
TOTAL	2,856	62	44,110	956

1/ LESS THAN 500 POUNDS OR $500.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC TUNA FISHERY

The 1961 domestic catch of tuna landed at Pacific Coast and Hawaii ports totaled 323.4 million pounds valued at $42.2 million. Compared with the previous year, this was an increase of 26.6 million pounds and $4.7 million. Landings at ports in continental United States increased from 287.8 million pounds in 1960 to 311 million pounds in 1961, largely as a result of gains in skipjack landings. In Hawaii, the catch of 12.4 million pounds was 38 percent over the 1960 landings, also due to greater skipjack receipts.

Conversion of clippers to purse seine vessels continued at a steady pace, and there was a trend toward use of larger seiners. The catch by purse seiners totaled a record 234.3 million pounds--60.2 million pounds more than in 1960. As a result of the conversion of clippers to seiners, the catch by lines amounted to only 89,1 million pounds--33.5 million pounds less than in 1960 and 246.5 million pounds under the record 335.6 million pounds taken by lines in 1950.

Yellowfin catches began to decline rapidly after May 1961, following a pattern predicted by scientists of the Inter-American Tropical Tuna Commission. California yellowfin landings during the first 5 months of 1961 were 27.5 million pounds more than in the same period in 1960. However, in the last 7 months of the year, they were 24.7 million pounds less. At a special meeting in Long Beach in September 1961, the Commission recommended the establishment of a yellowfin catch quota for the eastern Pacific.

A total of 4,535 fishermen, 1,027 vessels, and 493 motor boats engaged in the tuna fishery in 1961.

SUMMARY OF PACIFIC COAST TUNA OPERATING UNITS, 1961

ITEM	PURSE SEINES	LINES, HAND			TOTAL, EXCLUSIVE OF DUPLICATION
		ALBACORE BAIT BOATS	TUNA CLIPPERS	ALBACORE TROLLERS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	1,513	651	511	2,034	4,075
ON BOATS AND SHORE.	-	71	-	389	460
TOTAL	1,513	722	511	2,423	4,535
VESSELS, MOTOR:					
5 - 9 TONS.	-	5	-	46	47
10 - 19 TONS.	-	101	-	359	371
20 - 29 TONS.	1	67	-	245	253
30 - 39 TONS.	-	38	2	109	113
40 - 49 TONS.	1	13	3	39	43
50 - 59 TONS.	1	6	2	17	21
60 - 69 TONS.	2	2	-	8	10
70 - 79 TONS.	2	1	1	7	10
80 - 89 TONS.	3	2	2	1	7
90 - 99 TONS.	3	2	1	3	7
100 - 109 TONS.	3	1	1	-	4
110 - 119 TONS.	6	-	-	-	6
120 - 129 TONS.	4	-	-	1	5
130 - 139 TONS.	6	-	1	-	7
140 - 149 TONS.	1	-	-	-	1
150 - 159 TONS.	5	-	-	-	5
160 - 169 TONS.	2	1	3	-	5
170 - 179 TONS.	1	-	-	-	1
180 - 189 TONS.	3	-	1	-	4
190 - 199 TONS.	5	-	7	-	12

(CONTINUED ON NEXT PAGE)

SUMMARY OF PACIFIC COAST TUNA

OPERATING UNITS, 1961 - Continued

ITEM	PURSE SEINES	LINES, HAND			TOTAL, EXCLUSIVE OF DUPLICATION
		ALBACORE BAIT BOATS	TUNA CLIPPERS	ALBACORE TROLLERS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR - CONTINUED:					
200 - 209 TONS	-	-	1	-	1
210 - 219 TONS	2	-	-	-	2
220 - 229 TONS	1	-	1	-	2
230 - 239 TONS	4	-	2	-	5
240 - 249 TONS	-	-	1	-	1
250 - 259 TONS	3	-	1	-	4
260 - 269 TONS	3	-	-	-	3
270 - 279 TONS	4	-	-	-	4
290 - 299 TONS	2	-	-	-	2
300 - 309 TONS	2	-	-	-	2
310 - 319 TONS	4	-	-	-	4
320 - 329 TONS	2	-	-	-	2
330 - 339 TONS	2	-	-	-	2
340 - 349 TONS	2	-	-	-	2
350 - 359 TONS	7	-	-	-	7
360 - 369 TONS	5	-	2	-	7
370 - 379 TONS	2	-	10	-	12
380 - 389 TONS	3	-	1	-	4
390 - 399 TONS	1	-	-	-	1
400 - 409 TONS	1	-	-	-	1
410 - 419 TONS	2	-	-	-	2
420 - 429 TONS	3	-	-	-	3
430 - 439 TONS	6	-	1	-	6
440 - 449 TONS	5	-	-	-	5
450 - 459 TONS	1	-	-	-	1
460 - 469 TONS	2	-	-	-	2
470 - 479 TONS	3	-	-	-	3
480 - 489 TONS	2	-	-	-	2
490 - 499 TONS	1	-	-	-	1
570 - 579 TONS	1	-	-	-	1
700 - 709 TONS	1	-	-	-	1
TOTAL VESSELS	120	239	44	835	1,027
TOTAL GROSS TONNAGE	34,425	6,121	9,606	19,238	63,171
BOATS, MOTOR	165	50	49	237	493
GEAR:					
NUMBER	126	733	439	9,437	-
LENGTH, YARDS	90,250	-	-	-	-
HOOKS	-	733	439	9,437	-

SKIPJACK TUNA

SUMMARY OF PACIFIC TUNA CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES, STATE, AND DISTRICT	PURSE SEINES		LINES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALBACORE:						
WASHINGTON:						
PUGET SOUND	-	-	133	25	133	25
COASTAL	-	-	296	55	296	55
COLUMBIA RIVER	-	-	27	5	27	5
TOTAL	-	-	456	85	456	85
OREGON:						
COLUMBIA RIVER	-	-	1,471	279	1,471	279
COASTAL	-	-	1,780	312	1,780	312
TOTAL	-	-	3,251	591	3,251	591
CALIFORNIA:						
NORTHERN	-	-	1,440	234	1,440	234
SAN FRANCISCO	-	-	3,432	615	3,432	615
MONTEREY	-	-	1,872	302	1,872	302
SANTA BARBARA	-	-	684	109	684	109
SAN PEDRO	2,000	363	9,993	1,809	11,993	2,172
SAN DIEGO	-	-	9,702	1,755	9,702	1,755
TOTAL	2,000	363	27,123	4,824	29,123	5,187
HAWAII	-	-	14	4	14	4
GRAND TOTAL, ALBACORE	2,000	363	30,844	5,504	32,844	5,867
BLUEFIN:						
CALIFORNIA:						
SAN PEDRO	20,420	2,646	-	-	20,420	2,646
SAN DIEGO	463	59	-	-	463	59
TOTAL	20,883	2,705	-	-	20,883	2,705
HAWAII 1/	-	-	1,037	508	1,037	508
GRAND TOTAL, BLUEFIN	20,883	2,705	1,037	508	21,920	3,213
LITTLE, HAWAII	-	-	2	(2)	2	(2)
SKIPJACK:						
CALIFORNIA:						
SAN PEDRO	34,907	3,854	14,258	1,577	49,165	5,431
SAN DIEGO	11,529	1,270	4,709	518	16,238	1,788
TOTAL	46,436	5,124	18,967	2,095	65,403	7,219
HAWAII	-	-	10,951	1,307	10,951	1,307
GRAND TOTAL, SKIPJACK	46,436	5,124	29,918	3,402	76,354	8,526
YELLOWFIN:						
CALIFORNIA:						
SAN PEDRO	141,070	17,902	22,965	2,922	164,035	20,824
SAN DIEGO	23,925	3,109	3,894	506	27,819	3,615
TOTAL	164,995	21,011	26,859	3,428	191,854	24,439
HAWAII	-	-	459	168	459	168
GRAND TOTAL, YELLOWFIN	164,995	21,011	27,318	3,596	192,313	24,607
GRAND TOTAL, ALL SPECIES	234,314	29,203	89,119	13,010	323,433	42,213

1/ INCLUDES THE CATCH OF BIGEYE TUNA.

2/ LESS THAN $500.

UNITED STATES MENHADEN FISHERY

The 1961 menhaden catch amounted to 2.3 million pounds--45 percent of the total United States production of all species. The catch was 296 million pounds greater than in 1960 and 112 million pounds above the previous high reached in 1959.

The Gulf catch, which totaled over 1 billion pounds for the first time, was 180 million pounds above the previous year's production. Along the Atlantic Coast, the take was 117 million pounds greater than in 1960.

Purse seines accounted for 98 percent of the 1961 catch. The remainder was taken by pound nets, haul seines, gill nets, fyke and hoop nets, floating traps, trammel nets, and otter trawls.

Of the total, 44 percent was landed in the Gulf of Mexico, 31 percent in the Middle Atlantic, 13 percent in the Chesapeake, 11 percent in the South Atlantic, and 1 percent in the New England area.

There is included in this Section a detailed summary of operating units engaged in the Atlantic and Gulf Coast menhaden purse seine fishery. During 1961, a total of 3,495 fishermen, 180 vessels, 466 motor boats, and 43 other boats was engaged in the menhaden fishery.

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1961

GROSS TONNAGE	NEW ENGLAND			MIDDLE ATLANTIC				CHESAPEAKE		
	MASSACHUSETTS	RHODE ISLAND	TOTAL, EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
30 - 39. . . .	-	-	-	-	1	-	1	1	1	1
40 - 49. . . .	1	3	3	-	-	-	-	-	-	-
50 - 59. . . .	1	1	1	-	-	-	-	-	-	-
60 - 69. . . .	1	1	1	-	-	-	-	-	-	-
70 - 79. . . .	1	-	1	-	-	-	-	-	-	-
100 - 109. . . .	1	1	1	-	-	-	-	-	-	-
110 - 119. . . .	-	-	-	-	1	-	1	-	-	-
120 - 129. . . .	-	-	-	-	-	-	-	-	1	1
140 - 149. . . .	-	-	-	-	-	2	2	-	5	5
150 - 159. . . .	-	-	-	-	1	-	1	-	2	2
160 - 169. . . .	-	-	-	-	-	1	1	-	1	1
170 - 179. . . .	-	-	-	-	4	1	5	-	-	-
180 - 189. . . .	-	-	-	1	2	1	4	-	2	2
190 - 199. . . .	-	-	-	-	15	15	30	-	3	3
220 - 229. . . .	-	-	-	4	-	-	4	-	1	1
230 - 239. . . .	-	-	-	1	-	-	1	-	1	1
240 - 249. . . .	-	-	-	-	-	1	1	-	1	1
260 - 269. . . .	-	-	-	-	-	-	-	-	3	3
280 - 289. . . .	-	-	-	-	3	-	3	-	1	1
290 - 299. . . .	-	-	-	1	-	-	1	-	1	1
300 - 309. . . .	-	-	-	2	-	-	2	-	-	-
310 - 319. . . .	-	-	-	1	-	-	1	-	-	-
320 - 329. . . .	-	-	-	-	-	-	-	-	1	1
370 - 379. . . .	-	-	-	-	-	-	-	-	1	1
390 - 399. . . .	-	-	-	-	-	-	-	-	1	1
TOTAL VESSELS .	5	6	7	10	27	21	58	1	26	26
TOTAL GROSS TONNAGE. . . .	343	355	430	2,546	5,185	4,038	11,769	31	5,497	5,497

(CONTINUED ON NEXT PAGE)

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1961 - Continued

GROSS TONNAGE	SOUTH ATLANTIC			GULF					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION	FLORIDA, WEST COAST	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
30 - 39. . . .	-	-	-	-	-	-	-	-	2
40 - 49. . . .	1	-	1	-	-	-	-	-	4
50 - 59. . . .	2	-	2	-	-	-	-	-	3
60 - 69. . . .	3	-	3	-	-	-	-	-	4
70 - 79. . . .	1	-	1	-	-	-	-	-	2
90 - 99. . . .	-	-	-	-	-	1	-	1	1
100 - 109. . . .	-	-	-	1	-	2	-	2	3
110 - 119. . . .	1	-	1	-	-	1	-	1	2
120 - 129. . . .	-	1	1	-	-	1	-	1	3
130 - 139. . . .	-	-	-	-	-	1	3	4	4
140 - 149. . . .	2	1	3	-	-	3	2	5	13
150 - 159. . . .	1	1	2	1	-		-	1	6
160 - 169. . . .	-	-	-	-	1	-	4	5	7
170 - 179. . . .	1	-	1	-	1	5	-	6	11
180 - 189. . . .	3	-	3	-	2	1	4	7	13
190 - 199. . . .	12	-	12	-	5	7	1	11	44
210 - 219. . . .	-	-	-	-	-	1	-	1	1
220 - 229. . . .	3	-	3	-	1	2	-	3	8
230 - 239. . . .	2	-	2	-	1	3	-	4	6
240 - 249. . . .	4	-	4	-	-	1	-	1	6
250 - 259. . . .	7	-	7	-	-	3	-	3	7
260 - 269. . . .	4	-	4	-	1	1	-	2	8
280 - 289. . . .	2	-	2	-	-	-	-	-	3
290 - 299. . . .	1	-	1	-	1	-	-	1	3
300 - 309. . . .	1	-	1	-	-	-	-	-	2
310 - 319. . . .	-	-	-	-	-	1	-	1	2
320 - 329. . . .	-	-	-	-	-	-	-	-	1
370 - 379. . . .	-	-	-	-	-	-	-	-	1
390 - 399. . . .	1	-	1	-	-	-	-	-	1
410 - 419. . . .	-	-	-	-	-	1	-	1	1
460 - 469. . . .	-	-	-	-	-	1	-	1	1
470 - 479. . . .	-	-	-	-	3	2	-	5	5
610 - 619. . . .	-	-	-	-	1	-	-	1	1
640 - 649. . . .	-	-	-	-	1	1	-	1	1
TOTAL VESSELS .	52	3	55	2	18	39	14	69	180
TOTAL GROSS TONNAGE. . . .	10,588	422	11,010	262	5,376	8,953	2,257	15,700	36,654

MENHADEN VESSEL

SUMMARY OF MENHADEN PURSE SEINE OPERATING UNITS, 1961

AREA AND STATE	VESSELS		BOATS		FISHER-MEN	PURSE SEINES	
			MOTOR	OTHER			
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	NUMBER	NUMBER	LENGTH IN YARDS
NEW ENGLAND:							
MASSACHUSETTS	5	343	5	5	40	5	1,875
RHODE ISLAND	6	355	6	3	46	6	1,950
TOTAL, EXCLUSIVE OF DUPLICATION	7	430	7	7	55	7	2,550
MIDDLE ATLANTIC:							
NEW YORK.	10	2,546	30	-	170	10	4,360
NEW JERSEY.	27	5,185	80	-	449	27	10,390
DELAWARE.	21	4,038	63	-	357	21	7,320
TOTAL, EXCLUSIVE OF DUPLICATION	58	11,769	173	-	976	58	22,070
CHESAPEAKE:							
MARYLAND.	1	31	1	-	9	1	375
VIRGINIA.	26	5,497	76	-	409	26	9,750
TOTAL, EXCLUSIVE OF DUPLICATION	26	5,497	76	-	409	26	9,750
SOUTH ATLANTIC:							
NORTH CAROLINA.	52	10,588	156	-	1,166	52	20,800
FLORIDA, EAST COAST . . .	3	422	6	3	60	3	1,200
TOTAL, EXCLUSIVE OF DUPLICATION	55	11,010	162	3	1,226	55	22,000
GULF:							
FLORIDA, WEST COAST . . .	2	262	4	2	48	2	800
MISSISSIPPI	18	5,376	36	17	381	18	7,540
LOUISIANA	39	8,953	78	-	812	39	17,472
TEXAS	14	2,257	28	14	293	14	6,650
TOTAL, EXCLUSIVE OF DUPLICATION	69	15,700	134	33	1,404	69	30,792
GRAND TOTAL, EXCLUSIVE OF DUPLICATION. . . .	180	36,654	466	43	3,495	180	73,617

SUMMARY OF MENHADEN CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	-	-	3,330	30	-	-
RHODE ISLAND.	-	-	22,616	193	(1)	(1)
CONNECTICUT	-	-	-	-	1	(1)
TOTAL	-	-	25,946	223	1	(1)
MIDDLE ATLANTIC:						
NEW YORK.	5	(1)	83,080	940	-	-
NEW JERSEY.	-	-	310,843	3,427	-	-
DELAWARE.	-	-	302,773	3,356	-	-
TOTAL	5	(1)	696,696	7,723	-	-
CHESAPEAKE:						
MARYLAND.	42	1	2,321	39	-	-
VIRGINIA.	14,250	213	259,943	2,548	(1)	(1)
TOTAL	14,292	214	262,264	2,587	(1)	(1)
SOUTH ATLANTIC:						
NORTH CAROLINA.	30	(1)	221,524	2,415	-	-
FLORIDA, EAST COAST	7	(1)	32,548	263	-	-
TOTAL	37	(1)	254,072	2,678	-	-
GULF:						
FLORIDA, WEST COAST	13	(1)	3,350	32	-	-
MISSISSIPPI	-	-	301,271	3,404	-	-
LOUISIANA	-	-	581,682	6,748	-	-
TEXAS	-	-	134,105	1,408	-	-
TOTAL	13	(1)	1,020,408	11,592	-	-
GRAND TOTAL	14,347	214	2,259,386	24,803	1	(1)

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF MENHADEN CATCH, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	POUND NETS		FLOATING TRAPS		FYKE AND HOOP NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	33	(1)	-	-	-	-
RHODE ISLAND.	-	-	20	(1)	-	-
TOTAL	33	(1)	20	(1)	-	-
MIDDLE ATLANTIC:						
NEW YORK.	983	9	-	-	-	-
NEW JERSEY.	16,971	187	-	-	-	-
TOTAL	17,954	196	-	-	-	-
CHESAPEAKE:						
MARYLAND.	1,186	19	-	-	1	(1)
VIRGINIA.	20,595	321	-	-	300	5
TOTAL	21,781	340	-	-	301	5
SOUTH ATLANTIC, NORTH CAROLINA	1	(1)	-	-	-	-
GRAND TOTAL	39,769	536	20	(1)	301	5

AREA AND STATE	GILL NETS		TRAMMEL NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	-	-	-	-	3,363	30
RHODE ISLAND.	-	-	-	-	22,636	193
CONNECTICUT	11	(1)	-	-	12	(1)
TOTAL	11	(1)	-	-	26,011	223
MIDDLE ATLANTIC:						
NEW YORK.	-	-	-	-	84,068	949
NEW JERSEY.	394	11	-	-	328,208	3,625
DELAWARE.	-	-	-	-	302,773	3,356
TOTAL	394	11	-	-	715,049	7,930
CHESAPEAKE:						
MARYLAND.	28	(1)	-	-	3,578	59
VIRGINIA.	13	(1)	-	-	295,101	3,087
TOTAL	41	(1)	-	-	298,679	3,146
SOUTH ATLANTIC:						
NORTH CAROLINA.	-	-	-	-	221,555	2,415
FLORIDA, EAST COAST	390	10	5	(1)	32,950	273
TOTAL	390	10	5	(1)	254,505	2,688
GULF:						
FLORIDA, WEST COAST	9	(1)	3	(1)	3,375	32
MISSISSIPPI	-	-	-	-	301,271	3,404
LOUISIANA	-	-	-	-	581,682	6,748
TEXAS	-	-	-	-	134,105	-1,408
TOTAL	9	(1)	3	(1)	1,020,433	11,592
GRAND TOTAL	845	21	8	(1)	2,314,677	[illegible]

1/ LESS THAN 500 POUNDS OR $500.

UNITED STATES CLAM FISHERY

The 1961 yield of the United States clam fishery amounted to 50 million pounds of meats valued at $11.7 million to the fishermen. This was a gain of 2 percent in volume, but a decrease of 3 percent in value compared with the previous year. The Middle Atlantic led all other areas in the production of clam meats with 68 percent of the total. The New England and Chesapeake States accounted for 15 and 14 percent, respectively. The remaining 3 percent was produced in the South Atlantic, Gulf, and Pacific Coast areas.

Clam dredges took 36 million pounds (72 percent) of clam meats; tongs, 5.7 million pounds (11 percent); and rakes, 3.9 million pounds (8 percent). The remainder of the catch was taken with hoes, forks, shovels, or gathered by hand.

In Section 13 of this Digest, under the heading "Conversion Factors," there is a table which gives the average State yield per United States standard bushel for the clams taken on the Atlantic and Gulf Coasts. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf regional section.

SUMMARY OF CLAM CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	COCKLE		HARD		OCEAN QUAHOG		RAZOR	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	13	7	-	-	-	-
MASSACHUSETTS	-	-	1,664	952	-	-	25	8
RHODE ISLAND	-	-	2,608	992	124	12	-	-
CONNECTICUT	-	-	420	176	-	-	-	-
TOTAL	-	-	4,705	2,127	124	12	25	8
MIDDLE ATLANTIC:								
NEW YORK	-	-	4,291	2,493	-	-	14	3
NEW JERSEY	-	-	1,687	732	-	-	-	-
DELAWARE	-	-	582	232	-	-	-	-
TOTAL	-	-	6,560	3,457	-	-	14	3
CHESAPEAKE:								
MARYLAND	-	-	457	217	-	-	-	-
VIRGINIA	-	-	1,861	865	-	-	-	-
TOTAL	-	-	2,318	1,082	-	-	-	-
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	490	196	-	-	-	-
SOUTH CAROLINA	-	-	109	38	-	-	-	-
FLORIDA, EAST COAST	-	-	4	2	-	-	-	-
TOTAL	-	-	603	236	-	-	-	-
GULF, FLORIDA, WEST COAST	-	-	15	5	-	-	-	-
PACIFIC:								
ALASKA	2	1	-	-	-	-	389	120
WASHINGTON	-	-	401	167	-	-	281	133
OREGON	-	-	-	-	-	-	16	8
CALIFORNIA	-	-	2	3	-	-	-	-
TOTAL	2	1	403	170	-	-	686	261
HAWAII	-	-	(1)	(1)	-	-	-	-
GRAND TOTAL	2	1	14,604	7,077	124	12	725	272

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF CLAM CATCH, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	SOFT		SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE.	1,844	794	-	-	-	-	1,857	801
MASSACHUSETTS.	653	451	12	2	-	-	2,354	1,413
RHODE ISLAND	7	4	-	-	-	-	2,739	1,008
CONNECTICUT.	(1)	(1)	-	-	-	-	420	176
TOTAL.	2,504	1,249	12	2	-	-	7,370	3,398
MIDDLE ATLANTIC:								
NEW YORK	143	38	722	65	-	-	5,170	2,599
NEW JERSEY	21	9	26,697	1,693	-	-	28,405	2,434
DELAWARE	-	-	-	-	-	-	582	232
TOTAL.	164	47	27,419	1,758	-	-	34,157	5,265
CHESAPEAKE:								
MARYLAND	4,692	1,231	71	6	-	-	5,220	1,454
VIRGINIA	3	1	-	-	-	-	1,864	866
TOTAL.	4,695	1,232	71	6	-	-	7,084	2,320
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	490	196
SOUTH CAROLINA	-	-	-	-	-	-	109	38
FLORIDA, EAST COAST. . .	-	-	-	-	-	-	4	2
TOTAL.	-	-	-	-	-	-	603	236
GULF, FLORIDA, WEST COAST.	-	-	-	-	-	-	15	5
PACIFIC:								
ALASKA	-	-	-	-	-	-	391	121
WASHINGTON	-	-	-	-	-	-	682	300
OREGON	-	-	-	-	10	5	26	13
CALIFORNIA	-	-	-	-	-	-	2	3
TOTAL.	-	-	-	-	10	5	1,101	437
HAWAII	-	-	-	-	-	-	(1)	(1)
GRAND TOTAL.	7,363	2,528	27,502	1,766	10	5	50,330	11,661

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF CLAM CATCH BY GEAR, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	COCKLE		HARD		OCEAN QUAHOG		RAZOR	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES.	-	-	3,980	1,889	124	12	-	-
TONGS.	-	-	5,741	2,695	-	-	-	-
RAKES.	-	-	3,715	1,976	-	-	14	3
HOES	-	-	101	54	-	-	25	8
SHOVELS.	2	1	340	147	-	-	686	261
BY HAND.	-	-	727	316	-	-	-	-
TOTAL.	2	1	14,604	7,077	124	12	725	272

GEAR	SOFT		SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES.	4,695	1,232	27,496	1,765	-	-	36,295	4,898
TONGS.	-	-	6	1	-	-	5,747	2,696
RAKES.	200	87	-	-	-	-	3,929	2,066
HOES	2,441	1,194	-	-	-	-	2,567	1,256
FORKS.	12	9	-	-	-	-	12	8
SHOVELS.	-	-	-	-	10	5	1,038	414
BY HAND.	15	7	-	-	-	-	742	323
TOTAL.	7,363	2,528	27,502	1,766	10	5	50,330	11,661

UNITED STATES CRAB FISHERY

The 1961 catch of crabs in the United States amounted to 231.6 million pounds, valued at $17.3 million. Compared with the 1960 catch, this was an increase of 10 million pounds and $269,000.

The Pacific States led all other areas with 76.3 million pounds (33 percent) of the catch and $8.9 million (51 percent) of the total value for these crustaceans.

The king crab fishery again experienced a phenomenal growth as landings increased to 43.4 million pounds from 28.6 million pounds the previous year.

The catch of blue crabs (152.8 million pounds) was 1.9 million pounds less than in 1960, while landings of Dungeness crabs (32.7 million pounds) were down 3.5 million pounds.

In Section 13, under the heading "Conversion Factors," is a table which gives the average number of crabs per pound by species for each of the Atlantic and Gulf States. Supplementary shellfish tables are shown after the summary tables for each Atlantic and Gulf regional Section.

SUMMARY OF CRAB CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND, CONNECTICUT . .	4	1	-	-	-	-
MIDDLE ATLANTIC:						
NEW YORK	1	(1)	-	-	-	-
NEW JERSEY	646	67	57	11	-	-
DELAWARE	759	52	54	15	-	-
TOTAL.	1,406	119	111	26	-	-
CHESAPEAKE:						
MARYLAND	26,658	1,466	2,692	614	-	-
VIRGINIA	43,976	1,945	1,568	422	-	-
TOTAL.	70,634	3,411	4,260	1,036	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	15,880	609	101	35	-	-
SOUTH CAROLINA	4,672	186	-	-	-	-
GEORGIA.	12,312	450	-	-	-	-
FLORIDA, EAST COAST. . . .	7,486	344	(1)	(1)	-	-
TOTAL.	40,350	1,589	101	35	-	-
GULF:						
FLORIDA, WEST COAST. . . .	17,130	736	5	3	-	-
ALABAMA.	638	46	-	-	-	-
MISSISSIPPI.	2,505	143	7	1	-	-
LOUISIANA.	11,910	514	620	310	-	-
TEXAS.	2,675	178	2	1	-	-
TOTAL.	35,258	1,617	634	315	-	-
PACIFIC COAST:						
ALASKA	-	-	-	-	4,591	442
WASHINGTON	-	-	-	-	7,109	1,075
OREGON	-	-	-	-	9,288	1,479
CALIFORNIA	-	-	-	-	11,711	1,981
TOTAL.	-	-	-	-	32,699	4,977
GRAND TOTAL.	147,052	6,737	5,106	1,412	32,699	4,977

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF CRAB CATCH, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	1,579	58
NEW HAMPSHIRE	39	2	-	-	25	1
MASSACHUSETTS	58	6	-	-	83	7
RHODE ISLAND	29	3	-	-	213	22
TOTAL	126	11	-	-	1,900	88
MIDDLE ATLANTIC, NEW JERSEY	-	-	-	-	44	2
PACIFIC COAST:						
ALASKA	-	-	43,412	3,914	-	-
CALIFORNIA	-	-	-	-	152	12
TOTAL	-	-	43,412	3,914	152	12
GRAND TOTAL	126	11	43,412	3,914	2,096	102

AREA AND STATE	STONE		TANNER		OTHER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	-	-	-	-	1,579	58
NEW HAMPSHIRE	-	-	-	-	-	-	64	3
MASSACHUSETTS	-	-	-	-	-	-	141	13
RHODE ISLAND	-	-	-	-	-	-	242	25
CONNECTICUT	-	-	-	-	-	-	4	1
TOTAL	-	-	-	-	-	-	2,030	100
MIDDLE ATLANTIC:								
NEW YORK	-	-	-	-	-	-	1	(1)
NEW JERSEY	-	-	-	-	-	-	747	80
DELAWARE	-	-	-	-	-	-	813	67
TOTAL	-	-	-	-	-	-	1,561	147
CHESAPEAKE:								
MARYLAND	-	-	-	-	-	-	29,350	2,080
VIRGINIA	-	-	-	-	-	-	45,544	2,367
TOTAL	-	-	-	-		-	74,894	4,447
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	15,981	644
SOUTH CAROLINA	-	-	-	-	-	-	4,[illegible]72	186
GEORGIA	-	-	-	-	-	-	12,312	450
FLORIDA, EAST COAST	25	9	-	-	-	-	7,511	353
TOTAL	25	9	-	-	-	-	40,476	1,633
GULF:								
FLORIDA, WEST COAST	453	156	-	-	-	-	17,588	895
ALABAMA	-	-	-	-	-	-	838	46
MISSISSIPPI	-	-	-	-	-	-	2,512	144
LOUISIANA	-	-	-	-	-	-	12,530	824
TEXAS	-	-	-	-	-	-	2,877	179
TOTAL	453	156	-	-	-	-	36,345	2,088
PACIFIC COAST:								
ALASKA	-	-	7	1	-	-	48,010	4,357
WASHINGTON	-	-	-	-	-	-	7,109	1,075
OREGON	-	-	-	-	-	-	9,288	1,479
CALIFORNIA	-	-	-	-	-	-	11,863	1,993
TOTAL	-	-	7	1	-	-	76,270	8,904
HAWAII	-	-	-	-	30	18	30	18
GRAND TOTAL	478	165	7	1	30	18	231,606	17,337

1/ LESS THAN 500 POUNDS OR $500.

DUNGENESS CRAB TRAP

SUMMARY OF CRAB CATCH BY GEAR, 1961

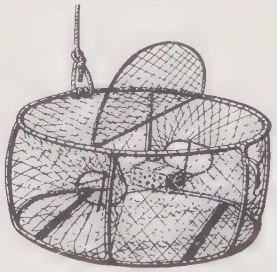
(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	4	(1)	-	-	-	-
OTTER TRAWLS	8,915	297	90	32	35	8
WEIRS	2	(1)	-	-	-	-
POUND NETS	133	6	878	229	-	-
POTS	91,817	4,248	742	192	32,664	4,969
LINES, TROT WITH BAITS	34,204	1,601	185	62	-	-
DIP NETS	2,966	146	424	181	-	-
SCRAPES	223	11	2,480	570	-	-
DREDGES	9,388	428	-	-	-	-
BRUSH TRAPS	-	-	274	137	-	-
BY HAND	-	-	33	9	-	-
TOTAL	147,652	6,737	5,106	1,412	32,699	4,977

GEAR	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS	-	-	2	(1)	43	2
POTS	126	11	43,410	3,914	2,053	100
TOTAL	126	11	43,412	3,914	2,096	102

GEAR	STONE		TANNER		OTHER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	-	-	-	-	-	-	4	(1)
OTTER TRAWLS	-	-	-	-	-	-	9,085	339
WEIRS	-	-	-	-	-	-	2	(1)
POUND NETS	-	-	-	-	-	-	1,011	235
POTS	478	165	7	1	5	1	171,302	13,601
LINES, TROT WITH BAITS	-	-	-	-	-	-	34,389	1,663
DIP NETS	-	-	-	-	-	-	3,390	327
SCRAPES	-	-	-	-	-	-	2,703	581
DREDGES	-	-	-	-	-	-	9,388	428
BRUSH TRAPS	-	-	-	-	-	-	274	137
BY HAND	-	-	-	-	-	-	33	9
UNCLASSIFIED	-	-	-	-	25	17	25	17
TOTAL	478	165	7	1	30	18	231,606	17,337

1/ LESS THAN $500.



DUNGENESS CRAB POT

REVIEW OF CERTAIN MAJOR FISHERIES

UNITED STATES OYSTER FISHERY

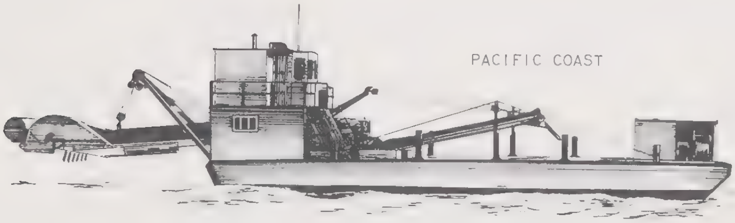
The 1961 yield of the United States oyster fishery totaled 62.3 million pounds of meats valued at $33.2 million. Compared with 1960, this was a gain of 2.3 million pounds (4 percent) and $4 million (14 percent). The increased quantity resulted chiefly from a rise of 2.1 million pounds in oysters taken in the Gulf States. Small gains in the Middle Atlantic and Chesapeake States were offset by decreases along the Pacific Coast.

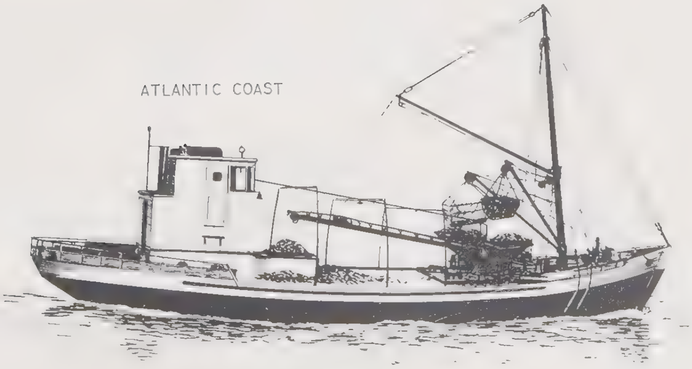
The Chesapeake Bay area led in the production of oyster meats with a yield of 27.5 million pounds--44 percent of the 1961 catch. The Gulf States were in second place with a catch of 18.2 million pounds (29 percent), followed by the Pacific area with 10.2 million pounds (16 percent). The New England, Middle Atlantic, and South Atlantic States accounted for the remainder.

Dredges were used to take 42.4 million pounds (68 percent) of the oyster harvest while tongs (16.5 million pounds) accounted for 26 percent. The remainder of the catch was taken with grabs, rakes, forks, or gathered by hand.

In Section 13 of this Digest is a table which gives the volume of the bushel measures used for oysters in the various Atlantic and Gulf States and the average yield per bushel. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf regional section.

Oyster Dredges





SUMMARY OF OYSTER CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	DREDGES		TONGS		CRABS		RAKES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	3	2	-	-	-	-	-	-
MASSACHUSETTS	17	17	54	72	-	-	7	5
RHODE ISLAND	-	-	7	7	-	-	-	-
CONNECTICUT	355	414	4	2	-	-	-	-
TOTAL	375	433	65	81	-	-	7	5
MIDDLE ATLANTIC:								
NEW YORK	786	1,066	2	3	-	-	-	-
NEW JERSEY	1,019	851	81	83	-	-	-	-
DELAWARE	33	18	-	-	-	-	-	-
TOTAL	1,838	1,935	83	86	-	-	-	-
CHESAPEAKE:								
MARYLAND	2,935	2,375	7,402	5,428	-	-	-	-
VIRGINIA	13,654	11,030	3,437	2,849	-	-	24	17
TOTAL	16,589	13,405	10,839	8,277	-	-	24	17
SOUTH ATLANTIC:								
NORTH CAROLINA	538	357	192	112	-	-	-	-
SOUTH CAROLINA	-	-	-	-	1,257	551	-	-
GEORGIA	-	-	-	-	79	23	-	-
FLORIDA, EAST COAST	-	-	24	7	-	-	-	-
TOTAL	538	357	216	119	1,336	574	-	-
GULF:								
FLORIDA, WEST COAST	-	-	3,218	1,020	-	-	14	5
ALABAMA	-	-	509	162	-	-	-	-
MISSISSIPPI	2,427	545	814	208	-	-	-	-
LOUISIANA	9,708	2,688	422	158	-	-	-	-
TEXAS	1,001	301	90	26	-	-	-	-
TOTAL	13,136	3,534	5.053	1,574	-	-	14	5
PACIFIC:								
WASHINGTON:								
PACIFIC	8,620	1,557	-	-	-	-	-	-
WESTERN	38	95	-	-	-	-	-	-
TOTAL	8,658	1,652	-	-	-	-	-	-
OREGON, PACIFIC	329	72	-	-	-	-	-	-
CALIFORNIA:								
EASTERN	-	-	15	5	-	-	-	-
PACIFIC	985	210	220	81	-	-	-	-
TOTAL	985	210	235	86	-	-	-	-
TOTAL PACIFIC STATES	9,972	1,934	235	86	-	-	-	-
GRAND TOTAL	42,448	21,598	16,491	10,223	1,336	574	45	27

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OYSTER CATCH, 1961 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	FORKS		BY HAND		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE.	-	-	-	-	3	2
MASSACHUSETTS.	6	6	-	-	64	100
RHODE ISLAND	-	-	-	-	[illegible]	[illegible]
CONNECTICUT.	-	-	-	-	359	416
TOTAL.	6	6	-	-	453	525
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	788	1,069
NEW JERSEY	-	-	-	-	1,100	934
DELAWARE	-	-	-	-	33	18
TOTAL.	-	-	-	-	1,921	2,021
CHESAPEAKE:						
MARYLAND	-	-	-	-	10,337	7,803
VIRGINIA	-	-	48	35	17,163	13,931
TOTAL.	-	-	48	35	27,500	21,734
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	479	147	1,209	616
SOUTH CAROLINA	-	-	1,287	544	2,544	1,095
GEORGIA.	-	-	80	24	159	47
FLORIDA, EAST COAST. . .	-	-	48	14	72	21
TOTAL.	-	-	1,894	729	3,984	1,779
GULF:						
FLORIDA, WEST COAST. . .	-	-	23	7	3,255	1,032
ALABAMA.	-	-	-	-	509	162
MISSISSIPPI.	-	-	-	-	3,241	753
LOUISIANA.	-	-	9	3	10,139	2,849
TEXAS.	-	-	5	2	1,096	329
TOTAL.	-	-	37	12	18,240	5,125
PACIFIC:						
WASHINGTON:						
PACIFIC.	-	-	-	-	8,620	1,557
WESTERN.	-	-	-	-	38	95
TOTAL.	-	-	-	-	8,658	1,652
OREGON, PACIFIC.	-	-	-	-	329	72
CALIFORNIA:						
EASTERN.	-	-	-	-	15	5
PACIFIC.	-	-	-	-	1,205	291
TOTAL.	-	-	-	-	1,220	296
TOTAL PACIFIC STATES	-	-	-	-	10,207	2,020
GRAND TOTAL.	6	6	1,979	776	62,305	33,204

NOTE:--THE CATCH BY HAND IN WASHINGTON AND OREGON HAS BEEN INCLUDED WITH DREDGES, AND IN CALIFORNIA HAS BEEN INCLUDED WITH TONGS.

SUMMARY OF ATLANTIC AND GULF COAST OYSTER CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	PUBLIC		PRIVATE	
	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:				
MAINE	3	2	-	-
MASSACHUSETTS	43	39	41	61
RHODE ISLAND	7	7	-	-
CONNECTICUT	4	3	355	413
TOTAL	57	51	396	474
MIDDLE ATLANTIC:				
NEW YORK	-	-	788	1,069
NEW JERSEY	13	15	1,087	919
DELAWARE	-	-	33	18
TOTAL	13	15	1,908	2,006
CHESAPEAKE:				
MARYLAND	8,942	6,667	1,395	1,136
VIRGINIA	3,195	2,646	13,968	11,285
TOTAL	12,137	9,313	15,363	12,421
SOUTH ATLANTIC:				
NORTH CAROLINA	1,094	555	115	61
SOUTH CAROLINA	-	-	2,544	1,095
GEORGIA	-	-	159	47
FLORIDA, EAST COAST	38	11	34	10
TOTAL	1,132	566	2,852	1,213
GULF:				
FLORIDA, WEST COAST	2,499	792	756	240
ALABAMA	414	119	95	43
MISSISSIPPI	2,514	590	727	163
LOUISIANA	1,299	402	8,840	2,447
TEXAS	1,021	306	75	23
TOTAL	7,747	2,209	10,493	2,916
GRAND TOTAL	21,086	12,154	31,012	19,030

SUMMARY OF OYSTER CATCH BY SPECIES, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	QUANTITY	VALUE
EASTERN:		
PUBLIC	21,086	12,154
PRIVATE 1/	31,027	19,035
TOTAL	52,113	31,189
PACIFIC	10,154	1,920
WESTERN	38	95
GRAND TOTAL	62,305	33,204

1/ EASTERN, PRIVATE, INCLUDES 14,800 POUNDS OF OYSTERS, VALUED AT $5,110 HARVESTED IN CALIFORNIA.

UNITED STATES SHRIMP FISHERY

The 1961 catch of shrimp in the United States totaled 174.5 million pounds valued at $51.7 million. Compared with 1960, this was a decrease of 74.9 million pounds (30 percent) and $15.2 million (23 percent). Landings in the South Atlantic area (19.7 million pounds) decreased 37 percent and in the Gulf States (133.8 million pounds), 35 percent, while those on the Pacific Coast amounted to 20.9 million pounds--a gain of 8.5 million pounds over 1960.

The otter trawl fleet took 168 million pounds--96 percent of the total catch. An additional 6.2 million pounds were taken by beam trawls. Bag nets, pots and traps, push nets, and cast nets accounted for the remainder.

In this Section is a detailed summary of the operating units engaged in the United States shrimp otter trawl fishery. The data include information on the fishermen employed and on the number of vessels, by tonnage classification, operated in each State and region. In 1961, there were 15,054 fishermen employed on 7,291 fishing craft which operated in the United States shrimp otter trawl fishery.

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1961

GROSS TONNAGE	SOUTH ATLANTIC				
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	153	17	27	11	196
10 - 19	85	76	76	54	251
20 - 29	45	38	64	63	160
30 - 39	51	43	73	124	195
40 - 49	47	38	43	109	157
50 - 59	18	7	15	38	55
60 - 69	4	5	11	31	40
70 - 79	3	-	2	8	12
90 - 99	-	-	-	1	1
100 - 109	-	-	1	1	1
120 - 129	1	-	-	1	2
140 - 149	-	-	-	1	1
TOTAL VESSELS	407	224	312	442	1,071
TOTAL GROSS TONNAGE	8,686	5,972	9,027	16,623	29,449

GROSS TONNAGE	GULF					
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	23	10	14	32	10	78
10 - 19	57	50	74	193	100	387
20 - 29	58	29	123	173	98	345
30 - 39	162	26	88	150	219	426
40 - 49	178	38	71	175	250	422
50 - 59	91	16	28	98	224	287
60 - 69	249	12	34	89	446	532
70 - 79	47	5	12	32	143	152
80 - 89	4	-	1	13	27	29
90 - 99	4	-	1	3	12	14

(CONTINUED ON NEXT PAGE)

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1961 - Continued

GROSS TONNAGE	GULF					
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
100 - 109.	1	-	1	-	3	4
110 - 119.	1	1	-	1	2	3
120 - 129.	-	-	-	2	3	3
130 - 139.	-	-	-	-	1	1
140 - 149.	-	-	-	1	1	1
160 - 169.	-	-	-	-	1	1
230 - 239.	-	-	-	-	1	1
TOTAL VESSELS . . .	875	187	447	962	1,541	2,686
TOTAL GROSS TONNAGE	41,250	6,081	15,142	35,352	79,044	114,430

GROSS TONNAGE	SOUTH ATLANTIC AND GULF	PACIFIC				GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	TOTAL, EXCLUSIVE OF DUPLICATION	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9.	274	-	-	-	-	274
10 - 19.	634	4	-	1	5	639
20 - 29.	478	2	-	1	3	481
30 - 39.	548	1	4	3	8	556
40 - 49.	498	1	3	3	7	505
50 - 59.	310	1	-	-	1	311
60 - 69.	555	2	-	2	4	559
70 - 79.	156	2	1	1	3	159
80 - 89.	29	2	-	-	2	31
90 - 99.	14	-	-	-	-	14
100 - 109.	4	1	-	-	1	5
110 - 119.	3	-	-	-	-	3
120 - 129.	5	-	-	-	-	5
130 - 139.	1	-	-	-	-	1
140 - 149.	2	-	-	-	-	2
160 - 169.	1	-	-	-	-	1
230 - 239.	1	-	-	-	-	1
TOTAL VESSELS . . .	3,513	16	8	11	34	3,547
TOTAL GROSS TONNAGE	133,413	772	333	474	1,506	134,919

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1961

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND, MAINE	10	10	-	10	200
SOUTH ATLANTIC:					
NORTH CAROLINA	321	508	4	321	4,731
SOUTH CAROLINA	133	231	-	133	2,247
GEORGIA.	270	118	343	270	1,859
FLORIDA, EAST COAST. . .	23	39	-	23	295
TOTAL, EXCLUSIVE OF DUPLICATION.	747	896	347	747	9,132
GULF:					
FLORIDA, WEST COAST. . .	104	147	10	104	1,354
ALABAMA.	192	315	40	192	2,250
MISSISSIPPI.	346	208	200	346	3,580
LOUISIANA.	1,920	2,668	503	1,995	24,404
TEXAS.	429	573	75	429	4,841
TOTAL, EXCLUSIVE OF DUPLICATION.	2,987	3,903	828	3,062	36,377

(CONTINUED ON NEXT PAGE)

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1961 - Continued

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	3,734	4,799	1,175	3,809	45,509
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	3,744	4,809	1,175	3,819	45,[illegible]09

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC:					
NORTH CAROLINA.	407	8,686	895	521	9,770
SOUTH CAROLINA.	224	5,972	471	362	6,464
GEORGIA	312	9,027	631	499	7,728
FLORIDA, EAST COAST	442	16,623	961	845	12,267
TOTAL, EXCLUSIVE OF DUPLICATION	1,071	29,449	2,291	1,666	27,595
GULF:					
FLORIDA, WEST COAST	875	41,250	2,091	1,646	25,514
ALABAMA	187	6,081	462	306	4,793
MISSISSIPPI	447	15,142	1,152	710	11,747
LOUISIANA	962	35,352	2,613	1,668	26,595
TEXAS	1,541	79,044	4,268	3,002	45,750
TOTAL, EXCLUSIVE OF DUPLICATION	2,686	114,430	7,186	4,833	76,655
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	3,513	133,413	8,961	6,074	97,547
PACIFIC:					
ALASKA.	16	772	50	16	255
WASHINGTON.	8	333	25	8	152
OREGON.	11	474	37	11	203
TOTAL, EXCLUSIVE OF DUPLICATION	34	1,506	109	34	595
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	3,547	134,919	9,070	6,108	98,142

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND, MAINE.	10	10	10	200
SOUTH ATLANTIC:				
NORTH CAROLINA.	728	1,407	842	14,501
SOUTH CAROLINA.	357	702	495	8,711
GEORGIA	582	1,092	769	9,587
FLORIDA, EAST COAST	465	1,000	868	12,562
TOTAL, EXCLUSIVE OF DUPLICATION	1,818	3,534	2,413	36,727
GULF:				
FLORIDA, WEST COAST	979	2,248	1,750	26,868
ALABAMA	379	817	498	7,043
MISSISSIPPI	793	1,560	1,056	15,327
LOUISIANA	2,882	5,784	3,663	50,999
TEXAS	1,970	4,916	3,431	50,591
TOTAL, EXCLUSIVE OF DUPLICATION	5,673	11,917	7,895	113,032
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	7,247	14,935	9,883	142,699
PACIFIC:				
ALASKA.	16	50	16	255
WASHINGTON.	8	25	8	152
OREGON.	11	37	11	203
TOTAL, EXCLUSIVE OF DUPLICATION	34	109	34	595
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	7,291	15,054	9,927	143,494

NOTE:--THERE WAS NO SHRIMP OTTER TRAWL BOAT FISHERY ON THE PACIFIC COAST IN 1961.

SUMMARY OF SHRIMP CATCH, 1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BAG NETS		BEAM TRAWLS		OTTER TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE.	-	-	-	-	67	14
MASSACHUSETTS.	-	-	-	-	1	(1)
TOTAL.	-	-	-	-	68	14
MIDDLE ATLANTIC, NEW JERSEY.	-	-	5	5	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	50	11	-	-	2,966	819
SOUTH CAROLINA	-	-	-	-	3,885	1,294
GEORGIA.	-	-	-	-	6,807	2,370
FLORIDA, EAST COAST. . .	-	-	-	-	6,007	2,434
TOTAL.	50	11	-	-	19,665	6,917
GULF:						
FLORIDA, WEST COAST. . .	-	-	-	-	36,069	11,094
ALABAMA.	-	-	-	-	3,525	1,154
MISSISSIPPI.	-	-	-	-	4,408	1,281
LOUISIANA.	-	-	-	-	31,027	8,913
TEXAS.	-	-	-	-	58,766	21,208
TOTAL.	-	-	-	-	133,795	43,650
PACIFIC:						
ALASKA	-	-	4,212	169	11,610	464
WASHINGTON	-	-	8	3	1,437	119
OREGON	-	-	-	-	1,464	119
CALIFORNIA	-	-	2,005	190	-	-
TOTAL.	-	-	6,225	362	14,511	702
GRAND TOTAL.	50	11	6,230	367	168,039	51,283

AREA AND STATE	POTS AND TRAPS		PUSH NETS		CAST NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE.	-	-	-	-	-	-	67	14
MASSACHUSETTS.	-	-	-	-	-	-	1	(1)
TOTAL.	-	-	-	-	-	-	68	14
MIDDLE ATLANTIC, NEW JERSEY	-	-	1	1	-	-	6	6
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	3,016	830
SOUTH CAROLINA	-	-	-	-	22	7	3,907	1,301
GEORGIA.	-	-	-	-	3	1	6,810	2,371
FLORIDA, EAST COAST. . .	-	-	-	-	9	3	6,016	2,437
TOTAL.	-	-	-	-	34	11	19,749	6,939
GULF:								
FLORIDA, WEST COAST. . .	-	-	-	-	-	-	36,069	11,094
ALABAMA.	-	-	-	-	-	-	3,525	1,154
MISSISSIPPI.	-	-	-	-	-	-	4,408	1,281
LOUISIANA.	-	-	-	-	-	-	31,027	8,913
TEXAS.	-	-	-	-	-	-	58,766	21,208
TOTAL.	-	-	-	-	-	-	133,795	43,650
PACIFIC:								
ALASKA	158	6	-	-	-	-	15,980	639
WASHINGTON	18	9	-	-	-	-	1,463	131
OREGON	-	-	-	-	-	-	1,464	119
CALIFORNIA	-	-	-	-	-	-	2,005	190
TOTAL.	176	15	-	-	-	-	20,912	1,079
HAWAII	-	-	-	-	-	-	(1)	(1)
GRAND TOTAL.	176	15	1	1	34	11	174,530	51,688

1/ LESS THAN 500 POUNDS OR $500.

UNITED STATES FISH OTTER TRAWL FLEET

There are included in this Section summaries of the United States fish otter trawl fleet. They contain detailed information on the operating units engaged in this fishery and a breakdown of vessels by area, State, and gross tonnage. In 1961, 1,232 vessels of over 5 net tons and 146 motor boats were in the fish otter trawl fleet. These fishing craft employed a total of 5,353 fishermen and operated 1,417 otter trawls. In some instances, two trawls were fished by a single vessel.

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1961

GROSS TONNAGE	NEW ENGLAND				
	MAINE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	3	2	2	7
10 - 19	14	39	16	9	77
20 - 29	11	45	17	8	70
30 - 39	7	59	15	11	79
40 - 49	5	46	13	3	56
50 - 59	9	34	4	2	44
60 - 69	4	31	1	1	35
70 - 79	5	28	3	-	34
80 - 89	-	16	-	-	16
90 - 99	1	10	-	-	11
100 - 109	1	11	-	-	12
110 - 119	3	18	-	-	20
120 - 129	1	8	-	-	9
130 - 139	2	8	-	-	10
140 - 149	1	4	-	-	5
150 - 159	2	7	-	-	9
160 - 169	3	6	-	-	8
170 - 179	2	4	-	-	5
180 - 189	-	2	-	-	2
190 - 199	1	5	-	-	6
200 - 209	-	1	-	-	1
210 - 219	-	3	-	-	3
220 - 229	-	3	-	-	3
230 - 239	-	1	-	-	1
240 - 249	-	3	-	-	3
250 - 259	-	3	-	-	3
260 - 269	1	1	-	-	2
290 - 299	-	2	-	-	2
300 - 309	2	-	-	-	2
310 - 319	2	-	-	-	2
320 - 329	2	-	-	-	2
TOTAL VESSELS	79	401	71	36	539
TOTAL GROSS TONNAGE	6,613	28,008	2,212	995	35,637

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1961 - Continued

GROSS TONNAGE	MIDDLE ATLANTIC				CHESAPEAKE		
	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	4	11	-	14	-	2	2
10 - 19	37	28	1	64	11	14	25
20 - 29	39	31	1	63	5	11	16
30 - 39	16	20	2	37	4	8	11
40 - 49	9	19	-	26	2	9	11
50 - 59	7	18	-	22	-	11	11
60 - 69	5	15	-	17	1	6	7
70 - 79	8	15	-	21	1	12	13
80 - 89	4	4	-	8	-	-	-
90 - 99	2	-	-	2	-	-	-
100 - 109	2	1	-	3	-	1	1
110 - 119	2	4	-	5	-	4	4
120 - 129	3	1	-	3	-	2	2
130 - 139	1	-	-	1	-	2	2
140 - 149	1	-	-	1	-	2	2
150 - 159	-	1	-	1	-	-	-
160 - 169	1	-	-	1	-	-	-
170 - 179	1	-	-	1	-	-	-
180 - 189	1	-	-	1	-	-	-
190 - 199	1	1	-	1	-	1	1
TOTAL VESSELS	144	169	4	292	24	85	108
TOTAL GROSS TONNAGE . .	6,051	7,230	117	12,103	654	4,594	5,209

GROSS TONNAGE	SOUTH ATLANTIC			GULF		
	NORTH CAROLINA	SOUTH CAROLINA	TOTAL, EXCLUSIVE OF DUPLICATION	MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	5	-	5	-	-	-
10 - 19	6	1	7	10	-	10
20 - 29	15	-	15	23	-	23
30 - 39	12	-	12	24	2	26
40 - 49	15	2	17	11	1	12
50 - 59	9	-	9	11	1	12
60 - 69	2	-	2	4	-	4
70 - 79	2	-	2	4	-	4
80 - 89	-	-	-	2	-	2
90 - 99	1	-	1	-	-	-
110 - 119	-	-	-	1	-	1
120 - 129	1	-	1	-	-	-
140 - 149	-	-	-	1	-	1
150 - 159	-	-	-	1	-	1
TOTAL VESSELS	68	3	71	92	4	96
TOTAL GROSS TONNAGE . .	2,547	112	2,659	3,757	166	3,923

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1961 - Continued

GROSS TONNAGE	PACIFIC				
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	2	-	-	2
10 - 19	-	11	2	8	21
20 - 29	-	12	7	13	32
30 - 39	1	15	9	11	35
40 - 49	-	28	15	13	52
50 - 59	-	20	7	7	34
60 - 69	1	12	5	2	18
70 - 79	-	9	2	5	14
80 - 89	-	6	2	4	12
90 - 99	-	4	3	2	7
100 - 109	-	2	1	1	3
110 - 119	-	-	-	1	1
190 - 199	-	1	-	1	1
250 - 259	-	-	-	1	1
TOTAL VESSELS	2	122	53	69	233
TOTAL GROSS TONNAGE	94	6,091	2,576	3,445	11,229

GROSS TONNAGE	GREAT LAKES						GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	PENNSYLVANIA	OHIO	MICHIGAN	WISCONSIN	MINNESOTA	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	-	-	-	-	-	30
10 - 19	1	3	-	3	-	7	209
20 - 29	1	-	-	2	2	4	213
30 - 39	-	-	1	-	-	1	183
40 - 49	-	-	3	3	-	6	166
50 - 59	-	-	-	-	-	-	114
60 - 69	-	-	-	-	-	-	72
70 - 79	-	-	-	1	-	1	65
80 - 89	-	-	-	-	-	-	34
90 - 99	-	-	-	-	-	-	19
100 - 109	-	-	-	-	-	-	15
110 - 119	-	-	-	-	-	-	24
120 - 129	-	-	-	-	-	-	11
130 - 139	-	-	-	-	-	-	10
140 - 149	-	-	-	-	-	-	7
150 - 159	-	-	-	-	-	-	11
160 - 169	-	-	-	-	-	-	9
170 - 179	-	-	-	-	-	-	5
180 - 189	-	-	-	-	-	-	3
190 - 199	-	-	-	-	-	-	8
200 - 209	-	-	-	-	-	-	1
210 - 219	-	-	-	-	-	-	3
220 - 229	-	-	-	-	-	-	3
230 - 239	-	-	-	-	-	-	1
240 - 249	-	-	-	-	-	-	3
250 - 259	-	-	-	-	-	-	3
260 - 269	-	-	-	-	-	-	2
290 - 299	-	-	-	-	-	-	2
300 - 309	-	-	-	-	-	-	2
310 - 319	-	-	-	-	-	-	2
320 - 329	-	-	-	-	-	-	2
TOTAL VESSELS	2	3	4	[illegible]	2	[illegible]	[illegible]
TOTAL GROSS TONNAGE	32	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1961

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	36	43	19	36	678
MASSACHUSETTS	9	14	2	9	136
RHODE ISLAND	13	14	11	13	211
CONNECTICUT	34	11	37	34	485
TOTAL, EXCLUSIVE OF DUPLICATION	92	82	69	92	1,510
MIDDLE ATLANTIC:					
NEW YORK	11	19	-	11	171
NEW JERSEY	13	21	6	13	174
DELAWARE	1	2	-	1	20
TOTAL, EXCLUSIVE OF DUPLICATION	25	42	6	25	365
CHESAPEAKE:					
MARYLAND	3	6	-	3	70
VIRGINIA	2	3	1	2	20
TOTAL, EXCLUSIVE OF DUPLICATION	5	9	1	5	90
SOUTH ATLANTIC:					
NORTH CAROLINA	16	32	-	16	256
SOUTH CAROLINA	2	4	-	2	30
TOTAL, EXCLUSIVE OF DUPLICATION	18	36	-	18	286
PACIFIC, CALIFORNIA	3	9	-	3	60
MISSISSIPPI RIVER, WISCONSIN 1/	3	4	4	3	10
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	146	182	80	146	2,321

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	79	6,613	335	79	1,956
MASSACHUSETTS	401	28,008	2,475	401	10,765
RHODE ISLAND	71	2,212	240	71	1,762
CONNECTICUT	36	995	92	36	814
TOTAL, EXCLUSIVE OF DUPLICATION	539	35,637	2,961	539	14,151
MIDDLE ATLANTIC:					
NEW YORK	144	6,051	479	144	3,202
NEW JERSEY	169	7,230	590	169	4,096
DELAWARE	4	117	7	4	93
TOTAL, EXCLUSIVE OF DUPLICATION	292	12,103	984	292	6,784
CHESAPEAKE:					
MARYLAND	24	654	60	24	616
VIRGINIA	85	4,594	334	85	2,138
TOTAL, EXCLUSIVE OF DUPLICATION	108	5,209	391	108	2,734
SOUTH ATLANTIC:					
NORTH CAROLINA	68	2,547	180	68	1,802
SOUTH CAROLINA	3	112	7	3	68
TOTAL, EXCLUSIVE OF DUPLICATION	71	2,659	187	71	1,870
GULF:					
MISSISSIPPI	92	3,757	239	127	2,376
LOUISIANA	4	166	12	8	132
TOTAL, EXCLUSIVE OF DUPLICATION	96	3,923	251	135	2,508

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1961 - Continued

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMAN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
PACIFIC:					
ALASKA	2	94	6	2	30
WASHINGTON	122	6,091	455	122	2,678
OREGON	53	2,576	183	53	1,185
CALIFORNIA	69	3,445	295	69	1,863
TOTAL, EXCLUSIVE OF DUPLICATION	233	11,229	888	233	5,468
GREAT LAKES:					
PENNSYLVANIA	2	32	7	2	40
OHIO	3	44	8	3	45
MICHIGAN	4	156	12	4	93
WISCONSIN	9	297	28	9	221
MINNESOTA	2	49	6	2	45
TOTAL, EXCLUSIVE OF DUPLICATION	19	552	58	19	420
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	1,232	62,707	5,091	1,271	30,555

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:				
MAINE	115	397	115	2,634
MASSACHUSETTS	410	2,491	410	10,901
RHODE ISLAND	84	265	84	1,973
CONNECTICUT	70	140	70	1,299
TOTAL, EXCLUSIVE OF DUPLICATION	631	3,112	631	15,661
MIDDLE ATLANTIC:				
NEW YORK	155	498	155	3,373
NEW JERSEY	182	617	182	4,270
DELAWARE	5	9	5	113
TOTAL, EXCLUSIVE OF DUPLICATION	317	1,032	317	7,149
CHESAPEAKE:				
MARYLAND	27	66	27	686
VIRGINIA	87	338	87	2,158
TOTAL, EXCLUSIVE OF DUPLICATION	113	401	113	2,824
SOUTH ATLANTIC:				
NORTH CAROLINA	84	212	84	2,058
SOUTH CAROLINA	5	11	5	98
TOTAL, EXCLUSIVE OF DUPLICATION	89	223	89	2,156
GULF:				
MISSISSIPPI	92	239	127	2,376
LOUISIANA	4	12	8	132
TOTAL, EXCLUSIVE OF DUPLICATION	96	251	135	2,508
PACIFIC:				
ALASKA	2	6	2	30
WASHINGTON	122	455	122	2,678
OREGON	53	183	53	1,185
CALIFORNIA	72	304	72	1,923
TOTAL, EXCLUSIVE OF DUPLICATION	236	897	236	5,528
GREAT LAKES:				
PENNSYLVANIA	2	7	2	40
OHIO	3	8	3	45
MICHIGAN	4	12	4	93
WISCONSIN	9	28	9	221
MINNESOTA	2	6	2	45
TOTAL, EXCLUSIVE OF DUPLICATION	19	58	19	420
MISSISSIPPI RIVER, WISCONSIN [1]	3	8	3	10
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	1,378	5,353	1,417	32,876

[1] DATA ARE FOR 1960.

SECTION 12

HISTORICAL FISHERY STATISTICS

Statistics of the fisheries of the United States are necessary for the best use of the Nation's aquatic resources. As series of data for extended periods of time are accumulated, the information becomes increasingly more valuable in indicating trends in the supply and utilization of fishery products. The extent to which these data are used is frequently dependent upon the ready availability of needed information to researchers, management officials, and members of the fishing industry.

Periodically, there are published in "Fishery Statistics of the United States" historical data for each State on the catch of important species. The most recent publication of these data was in Statistical Digest No. 43 entitled "Fishery Statistics of the United States, 1956".

The Bureau of Commercial Fisheries has in its files and in various Bureau reports or publications of other organizations a large volume of historical data. These statistics would be of considerable use to researchers and others interested in the fisheries. Unfortunately, few know of these records. To make the series readily available to researchers and others interested in the fisheries, a section entitled "Historical Fishery Statistics" has been published, since 1951, in "Fishery Statistics of the United States." The titles of the series published, and the identifying number of the Digest in which each appears, follow:

Series	Published in Statistical Digest
Menhaden Fishery, 1873-1951	No. 30
Oyster Fishery, 1880-1952	No. 34
Pacific Sardine Fishery, 1915-53	No. 36
Atlantic Ocean Perch Fishery, 1930-54	No. 39
Pacific Herring Fishery, 1881-1955	No. 41
United States Haddock Fishery, 1880-1956	No. 43
United States Tuna Fishery, 1911-57	No. 44
United States Atlantic Cod Fishery, 1893-1958	No. 49
Fur Seal Industry of the Pribilof Islands, 1786-1959	No. 51
Eastern Pacific Halibut Fishery, 1888-1960	No. 53

The 11th series of historical data containing information on the California Mackerel Fishery is included in the following pages.

CALIFORNIA MACKEREL FISHERIES, 1889-1961

By Harry S. Davis, Fishery Reporting Specialist
Bureau of Commercial Fisheries
Fish and Wildlife Service
San Pedro, California

Landings of Pacific and jack mackerel at California ports during 1961 amounted to 141.7 million pounds valued at $3 million. In total pounds landed at California ports, this was exceeded only by tuna; and in value received by fishermen, it was surpassed only by tuna and salmon. Prior to World War I, the mackerels were not too important to the fishing industry. However, with the advent of the canning of these fish, landings increased. The record Pacific mackerel catch of 146.4 million pounds was established in 1935; that for jack mackerel in 1952 was 146.5 million pounds. Total landings of both Pacific and jack mackerel established a combined alltime record in 1947 with landings of 175.5 million pounds.

CALIFORNIA PACIFIC MACKEREL FISHERY

The Pacific mackerel is a member of the mackerel family Scombridae which also includes the Atlantic mackerel, the tunas, bonitos, and Spanish mackerel. Prior to World War I, the Pacific mackerel remained on the list of neglected fishes, but now supports an important industry. Although it is known that mackerel were taken as early as 1839, first recorded data in 1889 listed a catch of 315,000 pounds. Prior to 1926, statistical records combined the catch of Pacific and jack mackerel although the Pacific mackerel probably accounted for most of the landings. Since 1926, they have been separated.

The fishery for Pacific mackerel is closely related to that for sardines and catches often contained both species. During the thirties and forties, landings containing the two species were often listed as sardines. This was particularly so when sardines dominated the catch. The practice resulted in a tendency to underestimate Pacific mackerel landings. However, in recent years, catch statistics have been separated more completely.

In early years, Pacific mackerel were of relatively minor importance. A few hundred to a few thousand cases were canned each year, but these experimental packs met with little success. The fish was essentially an item destined for the fresh market. Between 1916 and 1926, the average annual catch amounted to only 3 million pounds.

After years of experimenting with canning methods and studying potential markets, a plant began large-scale mackerel canning operations late in 1927. Nearly 11,000 cases were packed in that year, and production jumped to almost 400,000 cases in 1928. During this period, the Philippine Islands and southeastern Asia were important outlets for canned sardines and salmon. Mackerel canners dressed their cans with labels resembling salmon labels and sent their pack into this area for marketing. The buyers, unfamiliar with mackerel, thought they were getting salmon at a low price. Sales mounted rapidly, which disturbed salmon packers who induced the Government to persuade the mackerel canners to offer their product on its own merits. Although sales dropped sharply at first, mackerel under its own name took its place alongside the sardine and salmon. The market was established, and canned mackerel became an important factor in the California fishing industry.

With an established market for canned mackerel, landings of Pacific mackerel increased rapidly. Catches climbed from 4.7 million pounds in 1927 to 35.3 million pounds in 1928, and up to 58 million pounds in 1929. The catch was drastically curtailed in 1930 with the advent of the depression and remained low until 1933 when landings increased to nearly 70 million pounds. The catch rose to 114 million pounds in 1934 and to an alltime high in 1935, when 146.4 million pounds were taken. Since 1935, landings have fluctuated due to the availability of fish and the canners' demand for mackerel.

Most of the present-day production of Pacific mackerel is canned for human consumption. The offal (inedible parts) from canning operations are processed into oil and meal. Small amounts are canned for pet food, and about 5 to 10 percent of the catch is marketed fresh. There is no closed season for the taking of Pacific mackerel in California, and they are caught throughout the year. However, larger catches are predominantly made from August to March, with a seasonal slack during the summer.

The methods and equipment used in fishing for Pacific mackerel have been changed drastically through the years. Prior to 1926, the fish were caught mainly by lines and gill nets. Small longline craft (26 to 36 feet long) fished four to six lines averaging about 1,250 feet each. Four hundred to 500 hooks were fastened to each line by leaders measuring about 18 inches. After the lines were set, they were buoyed to help the craft recover the gear and catch. Gill net boats were about the same size as the craft using lines. Nets were generally 300 to 400 yards long and about 10 yards deep. Pacific mackerel swimming into these nets could pass only part way through a single mesh. In their struggle to get free, the twine slipped back of the gill covers preventing the fish from escaping. Fishing craft using lines or gill nets made daily trips. They sailed in the early morning and often returned with a catch before noon.

After 1927, the canners' demand for mackerel increased to the point where the supply could not be met by craft fishing lines and gill nets. It was then that the lampara net, operated by small craft, (25 to 40 feet in length) supplemented the supplies of mackerel taken by other gears. The net has a large central bunt and relatively short wings. The wings have a larger mesh than the bunt. The gear is played out from a vessel so as to surround a school of fish. The two wings are pulled simultaneously. There is no pursing device, as on a purse seine, other than the closing of the lead lines as the net is drawn through the water. The lampara is so called from the Italian word "lampo" meaning lightning. It is used chiefly in taking small fishes which move with great quickness. Although the lampara fishes fairly deep, its effective depth is not great and the fish have a chance to escape under the net before the lead line is aboard the fishing craft.

To correct the shortcomings of the lampara, modifications were made and the net gave way to the more efficient ring net and purse seine. By 1935, these gear surpassed the lampara net in volume of catch.

The ring net (also called purse lampara or half ring net) is, in effect, a lampara with a pursing arrangement whereby the lead line can be drawn together under the fish, effectively impounding them. The ring net combines the light weight, negligible bulk, speed, and low cost of the lampara with the positive action of the purse seine. The net is played out from the vessel to circle the school of fish. By the time the wings are hauled in, all the purse rings and the entire lead line are aboard concentrating the catch in the reinforced part of the bag known as the landing bay or sack.

The purse seine consists of a long wall of webbing without a prominent bunt or bag. The top edge is floated by a series of corks and the bottom edge weighted with leads. The net is pursed by drawing a purse line through a series of rings along the bottom of the net. The fish are captured by surrounding the school of mackerel, pursing the bottom of the net, and then concentrating the catch by pulling the net aboard the fishing vessel.

About this time, landings of mackerel were also increased by a fleet of small boats that employed striker or scooping techniques. The striker method of fishing utilized ground bait or chum to attract mackerel to the boat. In their frenzy to devour the chum, mackerel struck at feathered, barbless hooks attached by short lines to bamboo poles held by fishermen. The barbless hooks made it easy for the fishermen to deposit the catch aboard his craft. The scooping of mackerel was a natural outgrowth of the striker method and was accomplished by dipping the chum feeding mackerel into boats with long-hauled dip nets. The scoop was 20 to 30 inches in diameter with the pocket made of coarse chicken wire mounted on a 6-to 8-foot pole. The striker and scooping methods of fishing did not maintain their initial success, since it was found that fish taken by these gear spoiled rapidly due to their having fed on the chum.

Since 1950, purse seines have been the principal gear used to take mackerel. Vessels operating this gear range from 50 to 80 feet in length, use nylon seines, and are outfitted with power blocks. The carrying capacity of the vessels ranges from 40 to 140 tons. They carry a crew of 7 to 12 men each.

About 85 percent of the catch of the mackerel is taken at night. The success of night fishing results from the ease of locating fish during dark nights of the month. A phosphorescent glow is created by schooling fish near the surface. Fishermen often refer to this as "fire in the water."

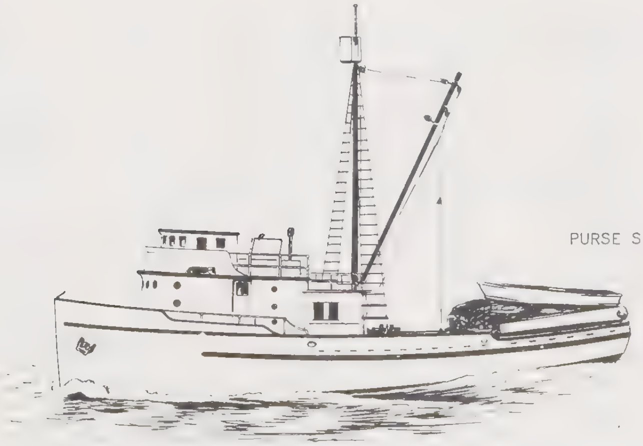
CALIFORNIA JACK MACKEREL FISHERY

The jack mackerel is not a true mackerel. Although its physical appearance is similar to mackerel, it is a member of the family Carangidae in which are also classed the jacks, scads, and pompano. Prior to 1947, the fish were known as horse mackerel by fishermen who often mistakenly identified them as Spanish mackerel. While the name was not too important when the fishery was small, the marketing of an increasing canned pack called for a more desirable name. As a result of a survey by the California Department of Fish and Game, the species has been called jack mackerel since 1947. Prior to 1926, landings records combined the catch of jack and Pacific mackerel although Pacific mackerel probably accounted for most of the landings. Since 1926, statistics on the catch of jack mackerel have been shown separately.

Jack mackerel catch records for years prior to 1926 are almost nonexistent, although it was reported that landings were made as early as 1888. Catches of 119,000 pounds and 39,000 pounds were reported in 1895 and 1908, respectively. Average annual landings between 1926 and 1932 were less than 500,000 pounds. Between 1933 and 1945, the catch fluctuated between 1 million and 12 million pounds. By 1947, the rapidly failing sardine and Pacific mackerel fisheries caused the industry to begin an intensive fishery for jack mackerel, and landings soared to 129 million pounds in that year. Landings of jack mackerel declined to 73 million pounds in 1948, and to 51 million pounds in 1949, but climbed to 133 million pounds in 1950. The 90-million-pound production in 1951 was followed by the alltime record catch for jack mackerel (146.5 million pounds) in 1952. Landings of jack mackerel tend to fluctuate according to the success or failure of the sardine and Pacific mackerel fisheries and the availability of jack mackerel to the fishing fleets.

In addition to being canned for human consumption, jack mackerel are also used in canned pet food. The offal (inedible parts) from canning operations are processed into oil and meal. There is no regulated season for the taking of jack mackerel, but the larger catches are made from September to April.

The jack mackerel and Pacific mackerel fisheries are closely related. Both species are invariably taken by the same fishing craft and gear. Since 1926, the majority of the catch of jack mackerel has been taken by lampara and ring nets and purse seines. A description of the methods and equipment used in these fisheries is contained in the narrative analyses of the California Pacific mackerel fisheries on page 417 of this report.



PURSE SEINER

CALIFORNIA PACIFIC AND JACK MACKEREL FISHERY, 1889-1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

YEAR	PACIFIC MACKEREL		JACK MACKEREL		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1889	315	13	(1)	(1)	315	13
1890	312	13	(1)	(1)	312	13
1891	519	21	(1)	(1)	519	21
1892	350	14	(1)	(1)	350	14
1893	(2)	(2)	(2)	(2)	(2)	(2)
1894	(2)	(2)	(2)	(2)	(2)	(2)
1895	95	3	119	1	214	4
1896-98	(2)	(2)	(2)	(2)	(2)	(2)
1899	168	6	(1)	(1)	168	6
1900-03	(2)	(2)	(2)	(2)	(2)	(2)
1904	135	4	(1)	(1)	135	4
1905-07	(2)	(2)	(2)	(2)	(2)	(2)
1908	197	3	39	1	236	4
1909-14	(2)	(2)	(2)	(2)	(2)	(2)
1915	267	7	(1)	(1)	267	7
1916	1,114	(2)	(1)	(2)	1,114	(2)
1917	3,346	(2)	(1)	(2)	3,346	(2)
1918	4,076	(2)	(1)	(2)	4,076	(2)
1919	2,703	(2)	(1)	(2)	2,703	(2)
1920	3,048	(2)	(1)	(2)	3,048	(2)
1921	2,975	(2)	(1)	(2)	2,975	(2)
1922	2,496	(2)	(1)	(2)	2,496	(2)
1923	3,592	144	(1)	(1)	3,592	144
1924	3,241	87	(1)	(1)	3,241	87
1925	3,522	98	(1)	(1)	3,522	98
1926	3,623	96	239	13	3,862	109
1927	4,741	121	467	18	5,208	139
1928	35,262	617	540	18	35,802	635
1929	57,975	879	709	19	58,684	898
1930	16,531	242	369	11	16,900	253
1931	14,253	158	562	17	14,815	175
1932	12,474	95	536	14	13,010	109
1933	69,615	420	1,011	12	70,626	432
1934	113,848	720	1,581	15	115,429	735
1935	146,427	1,120	9,984	43	156,411	1,163
1936	100,542	932	4,599	38	105,141	970
1937	60,936	669	6,542	65	67,478	734
1938	79,848	859	4,134	46	83,982	905
1939	80,909	857	3,760	37	84,669	894
1940	120,504	1,280	1,433	23	121,937	1,303
1941	78,167	1,010	2,069	34	80,236	1,044
1942	52,554	955	5,348	102	57,902	1,057
1943	75,262	1,493	12,699	236	87,961	1,729
1944	83,657	1,707	12,777	229	96,434	1,936
1945	53,717	1,119	9,033	145	62,750	1,264
1946	53,875	1,431	15,093	327	68,968	1,758
1947	46,478	1,390	129,048	3,323	175,526	4,713
1948	39,386	1,381	72,898	2,136	112,284	3,517
1949	49,771	1,286	51,250	1,111	101,021	2,397
1950	32,650	794	133,256	2,572	165,906	3,366
1951	33,518	932	89,838	2,016	123,356	2,948
1952	20,605	785	146,522	4,755	167,127	5,540
1953	7,502	329	55,751	1,994	63,253	2,323
1954	25,393	809	17,334	661	42,727	1,470
1955	23,310	532	35,755	712	59,065	1,244
1956	50,013	1,066	75,762	1,532	125,775	2,598
1957	62,044	1,231	82,012	1,603	144,056	2,834
1958	27,648	672	22,066	531	49,714	1,203
1959	37,602	958	37,507	897	75,109	1,855
1960	36,809	757	74,945	1,582	111,754	2,339
1961	44,110	956	97,606	2,025	141,716	2,981

1/ FOR YEARS PRIOR TO 1926, EXCEPT 1895 AND 1908, THE CATCH OF JACK MACKEREL WAS COMBINED WITH THE CATCH OF PACIFIC MACKEREL.

2/ DATA NOT AVAILABLE.

CALIFORNIA PACIFIC MACKEREL CATCH BY GEAR, VARIOUS YEARS, 1895-1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

YEAR	SEINES		GILL AND TRAMMEL NETS 1/		LINES		BRAIL OR SCOOP NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1895	11	(2)	18	1	66	2	-	-	95	3
1899	-	-	42	1	126	5	-	-	168	6
1904	15	1	73	2	47	1	-	-	135	4
1908	24	(1)	173	3	-	-	-	-	197	3
1926	1,137	28	362	9	2,124	59	-	-	3,623	96
1927	1,247	20	529	16	2,965	85	-	-	4,741	121
1928	27,257	444	282	5	7,723	168	-	-	35,262	617
1929	47,140	684	210	4	10,625	191	-	-	57,975	879
1930	10,935	116	128	3	5,468	123	-	-	16,531	242
1931	11,255	102	32	(2)	2,966	56	-	-	14,253	158
1932	10,440	55	49	1	1,985	39	-	-	12,474	95
1933	64,180	374	288	2	5,147	44	-	-	69,615	420
1934	100,120	634	32	(2)	13,696	86	-	-	113,848	720
1935	141,773	1,073	47	1	4,607	46	-	-	146,427	1,120
1936	91,849	824	21	(2)	8,672	108	-	-	100,542	932
1937	50,397	535	23	(2)	10,516	134	-	-	60,936	669
1938	57,333	614	54	1	22,461	244	-	-	79,848	859
1939	34,591	370	17	(2)	46,301	487	-	-	80,909	857
1940	57,815	613	120	1	62,569	666	-	-	120,504	1,280
1941	28,743	371	72	1	49,352	638	-	-	78,167	1,010
1942	15,933	283	54	1	36,567	671	-	-	52,554	955
1943	29,348	578	75	2	953	21	44,886	892	75,262	1,493
1944	19,572	403	41	1	667	18	63,377	1,285	83,657	1,707
1945	13,816	292	208	8	1,107	28	38,586	791	53,717	1,119
1946	25,512	670	127	5	252	11	27,984	745	53,875	1,431
1947	26,654	795	61	2	352	13	19,411	580	46,478	1,390
1948	11,159	393	42	2	300	12	27,885	974	39,386	1,381
1949	21,449	552	19	(2)	590	22	27,713	712	49,771	1,286
1950	18,671	451	41	1	359	12	13,579	330	32,650	794
1951	28,513	793	2	(2)	167	6	4,836	133	33,518	932
1952	17,506	667	12	(2)	413	16	2,674	102	20,605	785
1953	6,354	279	12	(2)	269	11	867	39	7,502	329
1954	21,804	695	4	(2)	311	11	3,274	103	25,393	809
1955	19,302	439	2	(2)	260	7	3,746	86	23,310	532
1956	44,701	944	-	-	189	4	5,123	118	50,013	1,066
1957	56,695	1,124	-	-	161	3	5,188	104	62,044	1,231
1958	17,118	409	-	-	74	2	10,456	261	27,648	672
1959	18,474	461	(2)	(2)	17	(2)	19,111	497	37,602	958
1960	32,018	657	-	-	39	1	4,752	99	36,809	757
1961	41,220	893	(2)	(2)	35	1	2,855	62	44,110	956

1 INCLUDES SMALL AMOUNTS CAUGHT BY OTHER GEARS.

2/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE CATCH BY LAMPARA AND RING NETS IS INCLUDED WITH SEINES.

CALIFORNIA JACK MACKEREL CATCH BY GEAR, VARIOUS YEARS, 1895-1961

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

YEAR	SEINES		GILL AND TRAMMEL NETS 1/		LINES		BRAIL OR SCOOP NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1895	104	1	15	(2)	-	-	-	-	119	1
1908	-	-	39	1	-	-	-	-	39	1
1926	147	7	9	1	83	5	-	-	239	13
1927	415	16	24	1	28	1	-	-	467	18
1928	505	17	31	1	4	(2)	-	-	540	18
1929	685	18	14	1	10	(2)	-	-	709	19
1930	368	11	1	(2)	(2)	(2)	-	-	369	11
1931	550	17	8	(2)	4	(2)	-	-	562	17
1932	519	14	12	(2)	5	(2)	-	-	536	14
1933	997	12	5	(2)	9	(2)	-	-	1,011	12
1934	1,571	15	3	(2)	7	(2)	-	-	1,581	15
1935	9,982	43	1	(2)	1	(2)	-	-	9,984	43
1936	4,584	38	14	(2)	1	(2)	-	-	4,599	38
1937	6,536	65	5	(2)	1	(2)	-	-	6,542	65
1938	4,129	46	2	(2)	3	(2)	-	-	4,134	46
1939	3,749	37	5	(2)	6	(2)	-	-	3,760	37
1940	1,400	22	23	1	10	(2)	-	-	1,433	23
1941	1,952	32	14	(2)	103	2	-	-	2,069	34
1942	5,287	101	6	(2)	55	1	-	-	5,348	102
1943	12,669	236	2	(2)	3	(2)	25	(2)	12,699	236
1944	12,748	229	1	(2)	7	(2)	21	(2)	12,777	229
1945	9,009	141	5	1	(2)	(2)	19	3	9,033	145
1946	15,068	327	18	(2)	3	(2)	4	(2)	15,093	327
1947	129,029	3,323	4	(2)	4	(2)	11	(2)	129,048	3,323
1948	72,889	2,136	1	(2)	1	(2)	7	(2)	72,898	2,136
1949	51,243	1,111	1	(2)	1	(2)	5	(2)	51,250	1,111
1950	133,223	2,571	1	(2)	22	1	10	(2)	133,256	2,572
1951	89,716	2,013	1	(2)	1	(2)	120	3	89,838	2,016
1952	143,785	4,665	5	(2)	1,366	45	1,366	45	146,522	4,755
1953	54,816	1,960	17	1	459	17	459	16	55,751	1,994
1954	17,105	652	63	3	83	3	83	3	17,334	661
1955	31,111	612	2	(2)	258	6	4,384	94	35,755	712
1956	71,982	1,452	-	-	101	2	3,679	78	75,762	1,532
1957	78,404	1,531	8	(2)	100	2	3,500	70	82,012	1,603
1958	16,055	381	6	(2)	-	-	6,005	150	22,066	531
1959	37,446	895	19	1	-	-	42	1	37,507	897
1960	74,865	1,580	12	1	-	-	68	1	74,945	1,582
1961	97,587	2,025	16	(2)	-	-	3	(2)	97,606	2,025

1/ INCLUDES SMALL AMOUNTS CAUGHT BY OTHER GEARS.

2/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE CATCH BY LAMPARA AND RING NETS IS INCLUDED WITH SEINES.

CALIFORNIA PACK OF CANNED MACKEREL, 1918-61

(STANDARD CASES)

YEAR	CASES	VALUE	YEAR	CASES	VALUE
1918 . .	5,484	(1)	1940 . .	1,4[illegible],0[illegible]	$3,986,695
1919 . .	5,735	(1)	1941 . .	[illegible]43,719	2,947,232
1920 . .	3,358	(1)	1942 . .	[illegible]1[illegible],436	3,000,604
1921 . .	1,255	$12,275	1943 . .	[illegible]31,[illegible]0	4,379,996
1922 . .	205	1,640	1944 . .	992,2[illegible]0	5,096,749
1923 . .	271	2,168	1945 . .	[illegible]38,191	3,590,614
1924 . .	665	3,159	1946 . .	[illegible]23,[illegible]	5,599,894
1925 . .	(1)	(1)	1947 . .	1,477,198	12,571,059
1926 . .	(1)	(1)	1948 . .	1,018,973	7,541,931
1927 . .	10,882	49,690	1949 . .	916,810	5,[illegible]66,415
1928 . .	388,521	1,621,595	1950 . .	1,393,492	6,959,616
1929 . .	592,451	2,428,058	1951 . .	1,032,581	6,066,011
1930 . .	104,251	355,481	1952 . .	1,503,233	11,110,276
1931 . .	101,217	239,327	1953 . .	592,143	4,995,571
1932 . .	87,652	212,145	1954 . .	365,733	2,502,672
1933 . .	747,542	1,858,630	1955 . .	564,429	3,333,979
1934 . .	1,250,551	3,087,804	1956 . .	1,116,343	6,434,860
1935 . .	1,795,724	4,845,119	1957 . .	1,326,584	7,403,682
1936 . .	1,229,607	3,471,196	1958 . .	404,425	2,657,012
1937 . .	839,450	2,657,370	1959 . .	586,818	4,234,735
1938 . .	949,736	2,757,004	1960 . .	934,746	5,803,965
1939 . .	878,890	2,498,428	1961 . .	1,378,353	8,528,649

1/ DATA NOT AVAILABLE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

EXPORTS OF CANNED MACKEREL, 1949-61

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

YEAR	QUANTITY	VALUE	YEAR	QUANTITY	VALUE
1949 . .	2,236	430	1956 . .	2,3[illegible]4	335
1950 . .	1,372	219	1957 . .	1[illegible],[illegible]44	2,14[illegible]
1951 . .	7,081	932	1958 . .	2,308	[illegible]39
1952 . .	3,367	697	1959 . .	743	1[illegible]
1953 . .	5,295	969	1960 . .	1,305	211
1954 . .	1,488	267	1961 . .	[illegible],90[illegible]	[illegible]1
1955 . .	1,548	244			

NOTE:--PRIOR TO 1949, CANNED MACKEREL WAS INCLUDED WITH MISCELLANEOUS CANNED FISH.

SECTION 13

STATISTICAL SURVEY PROCEDURE

This report is another in a series of annual statistical reports containing detailed statistics, analytic textual reviews, and graphic presentations on the commercial fisheries of the United States. Included are data on the quantity and value of the commercial yield of fishery products by States, regions, waters, and gear; and the number of persons and operating units engaged in the fisheries. The publication contains data on the volume and value of processed fishery products, freezings and cold-storage holdings, foreign trade, and other related information. The report has been prepared and published by the Bureau of Commercial Fisheries, Fish and Wildlife Service, United States Department of the Interior, and is a continuation of a series inaugurated by its predecessor organizations in the Departments of Interior, Commerce, Commerce and Labor, and the United States Fish Commission.

In order that those who use the statistical data contained in this and previous reports may be informed as to the source of the figures and methods for their collection, it has been deemed advisable to outline, in moderate detail, the survey procedure followed. This procedure has been developed over a period of years, and changes in methods have been made at times when such changes have appeared to work toward general improvement. While the surveys in different sections are not made in the same manner, owing to varying facilities and records, an attempt has been made to make the data collected by various methods comparable with respect to the same year as well as over a period of years. Throughout the entire plan it has been the intention to coordinate State and federal fishery statistical work so that there will be as little duplication of effort as possible.

SECTIONAL SURVEYS

Statistical surveys of the fisheries and fishery industries of the various sections of the United States occupy by far the greatest part of the time of the personnel of the Branch of Statistics. In the course of these surveys, the field representatives visit the individual fishing localities of the various States to collect statistics on the volume and value of the catch of fish and shellfish, employment in the fisheries, quantity of fishing gear, number and classification of fishing and transporting craft, and the volume and value of manufactured fishery products and byproducts. The various phases of these surveys are discussed in detail in the sections following.

History--The first comprehensive statistical study of the fisheries and fishery industries of the United States was made for the year 1880 by George Brown Goode, Assistant Director of the United States National Museum, and associates, with the cooperation of the Commissioner of Fisheries and the Superintendent of the Tenth Census. Data for specific fisheries, or restricted sections for years prior to 1880, also were collected in the early survey and recorded in Mr. Goode's reports. The survey for 1880, however, did not include the Mississippi River and its tributaries. Periodic general surveys of a limited number of States or limited areas of the United States were made for the years from 1880 to 1907 and from 1909 to 1928. The first complete statistical canvass of the entire United States was made for 1908 by the Bureau of the Census. The next general survey of the entire United States was not made until 1931, although complete data for all sections, excluding the Mississippi River and its tributaries, were collected for 1929 and 1930. Complete data on the catch and operating units for these same sections were also collected for 1932. In the latter survey, however, lack of sufficient funds prohibited collection of data on the wholesale and manufacturing operations except those data collected as a part of the canned fishery products and byproducts survey. Various sections were surveyed during the years from 1933 to 1949, inclusive. A complete survey of all sections of the country was made for 1950. Since 1951, all of the coastal areas were canvassed annually, and catch records were obtained for the Lakes section. Complete operating unit and catch data have been obtained for all areas since 1954, except that only a partial survey of the Mississippi River and its tributaries was made for 1961. Data on the wholesale and manufacturing industries were collected in all of the surveys from 1933 to 1940, inclusive. In the years from 1941 to 1949, inclusive, and in 1951, lack of experienced personnel and budgetary limitations precluded the collection of data on wholesale and manufacturing firms except for those data collected as part of the canned fishery products, industrial products, and packaged fish surveys.

STATISTICAL SURVEY PROCEDURE

A chart on page 495 of "Fishery Statistics of the United States, 1960"-Statistical Digest 53 indicates the years for which surveys have been made in the various sections. Information concerning the completeness of the surveys in the various sections is contained in the following paragraph.

Since the surveys of the fisheries have varied in completeness three legends have been used for the years shown in the chart to indicate whether complete, partial, or no surveys were conducted in the individual regions. The designation "complete survey" has been used to indicate that basic operating unit and catch data were obtained and that complete information was collected on employment in wholesale and manufacturing establishments and on the production of manufactured fishery products. The legend "partial survey" usually indicates that operating unit and catch statistics were collected, but that no information was obtained on employment in wholesale and manufacturing establishments and that only partial data were obtained on the production of manufactured fishery products. In some instances the designation "partial survey" is used for regions in which only catch statistics were collected. The legend "no survey" indicates that a general canvass was not conducted to obtain operating unit, catch, employment in wholesale and manufacturing plants, and complete manufactured products data. Although the chart indicates that in certain regions no surveys were conducted, some information may be available on the landings at certain important ports. Likewise, information on the catch of certain species, such as menhaden, may be available as a result of data collected in connection with the annual canned fish and byproducts survey. Data on the annual production of canned fishery products and byproducts have been collected for all regions since 1921, while information has been obtained on the production of packaged fish for 1926 and annually since 1928.

A bibliography listing the various surveys made since 1880 and the publications in which the results were published appeared in Statistical Digest No. 43, "Fishery Statistics of the United States, 1956." A list of the statistical bulletins in the Current Fishery Statistics series published during 1961 may be found in Section 16 of this digest.

Field Personnel--The statistics contained in thie volume have been collected by a group of trained fishery reporting specialists of the Bureau.

Period Covered--These specialists are assigned permanent field stations, generally in the principal port within their field, and travel from that station in conducting their various surveys. Most of the reporting agents collect statistics on landings for the current year, and assemble final operating unit, catch, and manufactured products data for the previous year. It is usually three to ten months after the end of the calendar year for which they are collecting data before the final figures for the digest are available. The data are tabulated and prepared for publication before the end of the year. The figures are collected and published on a calendar year basis. Prior to 1930, statistics on the catch of oysters in the Atlantic and Gulf States were collected for the oyster season; that is, from September to April, inclusive. Beginning with 1930 and continuing to the present time, they have been collected on the basis of the calendar year.

Scope--The coastal statistical surveys include canvasses of the commercial fisheries of the oceans, bays, and coastal rivers as far inland as commercial fishing is important. This usually coincides with the range of commercial fishing for anadromous species. Statistics on the fisheries of the Mississippi River include those of the Mississippi River proper as well as all of its tributaries wherein commercial fishing for either fish, crustaceans, or mollusks is carried on. Statistics on the fisheries of the Great Lakes cover canvasses of the fisheries in the lakes proper, adjacent bays, the International Lakes of northern Minnesota, and rivers which sustain a commercial fishery having outlets into these waters. Statistics on the fisheries of Florida include the commercial fisheries in Lake Okeechobee and other inland lakes. Surveys for statistics of the wholesale and manufacturing fishery industries cover plants located in the coastal, river, and lake areas adjacent to the waters mentioned above.

Methods of Collection--There are several methods used in the collection of fishery statistics, each of which has been carefully studied to obtain the best results with available personnel and funds. In most instances the field personnel obtain from local customs officials lists of fishing vessels and names of owners of these craft. Also it is usually possible to obtain the names of licensed commercial fishermen, fishing craft, and some statistics on the catch, from State fishery agencies; from other State, county, or city sources; or from private organizations.

Using available preliminary records as a guide, the field specialists visit each fishing community in their field unless these preliminary records are so complete that personal visits may be eliminated. If complete catch data are not available from central sources, wholesale dealers and manufacturers of fishery products are visited and data are obtained from them on their purchases of fish and shellfish. It is impossible for the few Bureau representatives available for this work to interview each fisherman in a given locality. However, the more important areas and a sufficient number of areas of lesser importance are visited to obtain reliable information on production, the number of fishing craft engaged, the quantity of gear operated, catch by gear and waters, and the number of persons employed as fishermen.

The Bureau's role with regard to fishery statistics is principally that of coordinating the collection of information, assembling, analyzing, publishing, and disseminating fishery data. The collection of basic operating unit and catch statistics is primarily a State function. The State fishery agencies in a number of States have developed relatively complete statistical systems which greatly facilitate the Bureau's surveys in these States. In such instances, the Bureau conducts only such surveys as may be necessary to make the data comparable with those of other States.

The Bureau obtains from the records of the State fishery agencies most of the catch statistics for the fisheries of the Great Lakes, the northern Mississippi River area, and the International Lakes of northern Minnesota. To obtain data on the number of fishermen, boats, vessels, and gear, the Bureau conducts such personal surveys among the fishermen as may be necessary to supplement the State records.

Bureau statistical personel are stationed at Seattle, Washington and San Pedro, California for the purpose of surveying the fisheries of Washington, Oregon, and California. They obtain from the records of the State fishery departments figures on the volume of the catch and operating units. The value of the catch is derived from State and dealers' records. In Washington and Oregon, data for operating units in the offshore fisheries are obtained from the records of various fishery organizations as well as from records of the State fishery agencies. Statistics of the wholesale fishery industry for this section are obtained largely by personal interviews.

In many States, the Bureau and the fishery agency of the respective States cooperate in the collection and publication of current monthly and annual data on the catch. These data form the basis of the annual catch figures published in this report for the following States: Maine, Massachusetts, Rhode Island, New York, New Jersey, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, California, Ohio, Michigan, and Wisconsin.

In the administration of the Alaska fisheries, the State requires that copies of all receipts for fish and shellfish purchases from fishermen be furnished to the Alaska Department of Fish and Game. The data on these tickets are compiled and made available to the Bureau. The summary data, by districts, are reproduced in this report.

Statistics on the volume of the catch of fish in the Great Lakes States usually are shown in weights as landed, which may be in the round or drawn condition. Statistics on the volume of the catch of fish taken in the remainder of the United States are usually shown in round weight.

The figures in the tables for shellfish represent the weight of the meats in the cases of univalve and bivalve mollusks, and the round weight of crustaceans and such mollusks as squid and octopus.

Shore and Vessel Fisheries--In general, statistics of the shore fisheries, as collected by the Bureau's representatives, include data on the number of casual and regular fishermen; number of motor and other fishing boats (craft of less than 5 net tons capacity are called "boats"); type and quantity of gear used; and the volume, value, and method of capture of each species for each locality or group of localities. This method is not followed in some sections where the availability of data collected by the State fishery agencies obviates the necessity of detailed locality surveys.

Statistics of the vessel fisheries include data on the number in the crew; rig of vessels; gross tonnage; kind and quantity of gear used; and volume, value, and method of capture of each species. Craft having a capacity of 5 net tons or over are called "vessels." As in the shore fisheries, the availability of figures collected by State fishery agencies may eliminate the necessity of Bureau agents collecting these data for individual vessels. Information on the year vessels were built was assembled for 1961.

Statistics on the quantity of gear operated indicate the maximum number of units fished at any one time during the year. Gear carried in reserve for replacement is not reported.

All persons engaged in commercial fishing operations are included as fishermen. In most areas fishermen not on vessels have been divided into "regular" and "casual". Regular fishermen are defined as those who receive more than one-half their annual income from fishing; whereas casual fishermen are those who receive less than one-half their annual compensation from fishing. On the Pacific Coast, it has not been possible to separate regular from casual fishermen.

Since 1942, the catch of fish and shellfish has been credited to the port at which it was landed. Prior to the survey for that year, it was the practice of the Bureau to credit the entire catch of a vessel to the principal port at which fish or shellfish were unloaded, regardless of the actual point of landing. This policy was discontinued since it quite often resulted in inconsistencies by crediting catches of some species to areas far removed from localities in which they are commonly taken. An outstanding example of this is the southern trawl fishery conducted off the New Jersey, Maryland, Virginia, and North Carolina coasts. Some fishing vessels from New England operate in this fishery for 6 to 10 weeks during the winter season. Prior to the survey for 1942, the catch of these vessels, consisting principally of fish common to Middle Atlantic waters, was credited to Massachusetts. Under the present system, this catch is credited to the Middle Atlantic ports where it is landed.

Since 1949 on the Pacific Coast and 1951 for the remainder of the country, craft, fishermen, and gear have been reported for each State in which they fished. A total exclusive of duplication is shown for each section, and for the United States as a whole. Prior to the surveys for 1949, each craft on the Pacific Coast was credited to its home port unless it did not fish from that port during the year. In that case, it was credited to the locality where it landed the greatest portion of its catch. Prior to the survey for 1951, each craft on the Atlantic and Gulf Coasts and interior waters was credited to the port where it landed the greatest portion of its catch during the year. This system was changed to provide more accurate data on the total number of craft operating in a given State. With the increased mobility of the fishing fleet in recent years, the number of vessels fishing in more than one State has increased greatly.

Beginning with data for 1951, the reporting of units of gear was standardized so that nets or lines made up of small units for ease in handling, but fastened together in fishing, were counted as a single unit rather than as a number of smaller units. Prior to 1951, the small units were sometimes counted as individual pieces of gear even though they were combined for fishing. This rule does not apply to halibut longlines or setlines on the Pacific Coast. In this fishery each skate of gear is counted as one line, even though they are fastened together in fishing, because the International Pacific Halibut Commission uses a skate of gear as a unit in its studies of fishing intensity.

Publication of Data--Statistics on employment in the fisheries, craft and gear engaged, quantity and value of catch, and certain data on industries related to the fisheries are summarized according to geographic divisions and published in bulletin form as soon as possible after the completion of each survey. Later, the figures, in more detail, are included in the annual statistical report of the Bureau entitled "Fishery Statistics of the United States."

Data on the operating units (fishermen, fishing craft, and gear) and catch by counties for the Atlantic and Gulf States have been included in these annual statistical reports for the years from 1928 to 1938 except for 1932. These data have also been published in the digests for the years 1945, 1950, 1955, and 1960. County data were collected for the State in which surveys were conducted during the years since 1938, except for Maryland. Between 1942 and 1959, only operating unit data by counties have been obtained for Maryland. Complete data were obtained for 1960. County data assembled for the years since 1938, which were not published in the Digest, are on file in the Washington office of the Bureau.

LOCAL AND SPECIAL SURVEYS

Landings at Certain Massachusetts Ports--Detailed statistics are collected on the landings of aquatic products by individual fishing craft at Boston, Gloucester, New Bedford, Plymouth, Provincetown, and other Cape Cod ports. Bureau representatives are stationed at the principal ports. They obtain figures on the quantity and value of fish landed daily by fishing craft, the dates of departure and arrival of the craft, the gear used in their capture, the grounds from which the fish were taken, and other related information. The Bureau's Division of Biological Research and the Branch of Market News cooperate in the collection of these data.

Statistics on landings at the above ports are released monthly and annually in bulletin form, and detailed data are published in the annual statistical digest. Products of American fisheries received duty free at Boston and Gloucester from the treaty coasts of Newfoundland, Magdalen Islands, and Labrador, have not been included in the landings at these ports since 1938. Data on the landings at Boston and Gloucester have been collected annually since 1893. Information on landings at New Bedford has been collected annually since 1938 and at Plymouth, Provincetown, and other Cape Cod ports since 1945.

Shad and Alewife Fisheries--Owing to the importance of the Hudson and Potomac Rivers in the production of shad, surveys for statistics of the catch, value of the catch, and operating units are made annually. On the Potomac River similar statistics are also obtained for the alewife fishery. Much of the data required for these surveys is available from the State fishery agencies.

Annual data on the shad and alewife fisheries are not published separately in bulletin form. However, a summary is published in the annual statistical digest.

Statistics on the Hudson River shad fishery are available for 1896, 1897, 1898, 1901, 1904, 1910, and annually since 1915, while data for the Potomac River shad fishery are available for 1896, 1901, 1904, 1909, 1915, from 1919 to 1942, inclusive, and annually since 1944. Statistics of the Potomac River alewife fishery are available for 1896, 1909, 1915, from 1919 to 1942, inclusive, and annually since 1944.

Pacific Halibut Fishery--Statistics on the Pacific halibut fishery are obtained primarily from the International Pacific Halibut Commission. Beginning with data for 1956 the fleet classification of halibut craft was revised and vessels were credited in operating unit tables to each district in which they landed fish; the only exception being that United States vessels landing at Prince Rupert, British Columbia, are credited to Southeastern Alaska. Duplication of halibut craft which operated in more than one district has been eliminated in regional and national totals. The catch by the halibut fleet is credited to the port of landing except that fish landed by United States halibut craft in British Columbia is credited to Southeastern Alaska. Halibut statistics are also included in the monthly and annual summaries published by the Seattle Market News Office. Statistics on the landings of halibut at Pacific Coast ports have been collected since 1925.

South Atlantic and Gulf of Mexico Shrimp Fishery--Detailed statistics on the quantity and value of shrimp, by variety and size, landed at South Atlantic and Gulf ports, have been collected for the Gulf area since 1956 and the South Atlantic since 1957. Since 1956, Bureau agents have also obtained daily information on the number of fishing trips, area and depth fished, and time spent in fishing by craft landing at United States ports in the Gulf of Mexico. The Branch of Market News, the Bureau's Branch of Marine Fisheries of the Division of Biological Research, and various fishery agencies of the southern States cooperate in the collection of these data.

Detailed monthly and annual summaries of the statistics on shrimp landings are published in bulletin form and are summarized in the annual statistical digests.

Hawaiian Fisheries--The volume and value, by species, of the catch landed monthly in the State of Hawaii are furnished the Bureau by the Department of Land and Natural Resources, Division of Fish and Game, Honolulu, Hawaii. Although these data have been published in the Hawaii section of the Digest since 1946, it was not until 1959 that operating unit, catch, and manufactured products data, although incomplete, were included in the national summary table together with those for other States. The common and scientific names of the species of fish and shellfish landed in Hawaii are not included in Section 14 of this report.

Historical Fishery Statistics--The Bureau of Commercial Fisheries has in its files and in various Bureau reports or publications of other organizations a large volume of historical data on fisheries. Beginning with the 1951 Digest, a section entitled "Historical Fishery Statistics," which includes complete historical information on selected species, has been carried. There is published each year a listing of the titles of the series of data appearing in earlier editions.

Menhaden Purse Seine, Shrimp and Fish Otter Trawl, and Salmon Troll Fleets--Beginning with 1957, detailed data have been published in Section 12 of these digests on the menhaden purse seine and otter trawl fleets. Similar data for the salmon troll fishery have been included since 1960. The summary operating unit data include information for craft in these fisheries by area, State, and gross tonnage. Prior to 1957, these data were not available since it was impossible to determine from regular operating unit tables the duplication between areas in fishermen and craft.

Canned Fishery Products and Industrial Products--Beginning in 1921, the Bureau has made annual surveys for statistics of the canned fishery products and industrial products of every section. These are started the first week in January of each year for statistics on the production in the preceding year. So far as possible, the Bureau obtains by mail, for each domestic canned fishery products and industrial plant, figures on its annual production. Where it is impossible to obtain the information by mail, the report is secured by a Bureau agent. Included in the data obtained are statistics on the yield and value of the canned products by type of commodity, can size, and area of production. Data on industrial products are obtained by commodity and area of production. The value shown for canned and industrial products is in the gross amount received by the packer at the production point. No deductions are made for commissions or expenses.

Annual statistical bulletins are issued on this trade, and detailed statistics are published in the annual statistical digest. Prior to 1921, canned and industrial products data were not collected for the entire country. However, data on the production of these products were usually obtained for the areas in which general canvass surveys were conducted.

Fish Meal and Oil--Data are collected monthly on the domestic production of fish meal, body oil, fish solubles, and homogenized condensed fish. This information is released monthly and annually in the Bureau's Current Fishery Statistics series of bulletins.

Packaged Fish Trade--Statistics on the annual production and value of fish packaged in the United States, exclusive of the States of Alaska and Hawaii, are obtained in conjunction with the canned and industrial fishery products survey. These data are released annually in bulletin form and in the annual statistical digest. Statistics on the production of packaged fish are available for 1926 and annually since 1928, except that no data were collected in California for the years 1941 to 1946, inclusive.

Fish Sticks and Portions--Quarterly information is collected and published on the production and value of cooked and raw fish sticks and breaded, cooked, and raw fish portions, and unbreaded fish portions. The data are released in the Bureau's Current Fishery Statistics series of bulletins.

Cold-Storage Holdings of Fish--Information on the monthly freezings and holdings of fishery products is obtained from cold storage warehouses by mail and by Bureau employees. Data are also obtained on the holdings of certain cured fish. Bulletins showing these statistics are issued monthly and annually.

Detailed cold-storage statistics also are published in the Bureau's annual statistical digest. Information regarding cold-storage holdings of fishery products has been published since 1917, while data on the quantity of fish frozen have been released for the years from 1920 to 1925, inclusive, and annually since 1928.

Foreign Fishery Trade--Statistics on foreign fishery trade are obtained from compilations made by the Bureau of the Census, Department of Commerce. Statistics on all known imported or exported fishery products have been assembled and published annually since 1926 in the Bureau's statistical digest. For earlier years, figures are available in the reports of the Bureau of the Census, Bureau of Foreign and Domestic Commerce, the Bureau of Statistics, the Department of Commerce and Labor, or the Treasury Department.

PRACTICES AND TERMS

Certain practices and terms used in this report are explained below.

Operating Units--Operating units as referred to in this report include persons employed in the fisheries, and craft and gear engaged in the fisheries.

Vessel--The term "vessel" refers to a craft having a capacity of 5 net tons or over.

Boat--The term "boat" refers to a craft having a capacity of less than 5 net tons.

Days Absent--In computing "days absent" for vessels landing fares at certain Massachusetts ports, the day of arrival, but not the day of departure is included; thus, a vessel leaving port on the 8th of the month and returning on the 15th of the month will be credited with 7 days absence. Prior to 1944, "days absent" included both the day of departure and the day of arrival.

Days Fished--In computing "days fished" for fishing craft landing shrimp at Gulf of Mexico ports, the total number of hours spent in fishing effort has been divided by 24.

Fish--The term "fish" as used in this report includes all species belonging to the class *Pisces*.

Shellfish, etc.--A shellfish is an aquatic invertebrate animal having a shell, such as a mollusk or crustacean. However, in order to reduce the classifications appearing in the catch tables, all items not properly listed as "Fish" or "Whale Products" have been included under "Shellfish, etc." Accordingly, there is included under this classification turtles, frogs, sponges, seaweed, and worms.

Whale Products--Since data are not available on the poundage of whales taken, statistics appearing in catch tables on the yield of these mammals represent the weight of products produced such as meal, sperm oil, whale oil, etc. The values shown represent the amount received by the manufacturer for the products.

Incidental Catch--The term "incidental catch" refers to the catch of certain species by a type of gear which ordinarily does not capture such species.

Percentages--Percentages are usually shown as whole numbers. Fractions of percents are dropped if less than five-tenths, and the percentage is raised to the next higher integer if the fraction is greater than five-tenths. If the fraction is exactly five-tenths, odd integers are raised to the next even figure while even integers remain unchanged.

Converting--Many of the figures shown in the summary tables published herewith have been converted to thousands of pounds or thousands of dollars. In making these conversions the sum of the items in a table is raised or lowered to the nearest thousand in accordance with standard statistical procedures. The individual items are adjusted to conform to the total thus obtained.

Confidential Data--The statistical data collected by the Bureau are confidential, and, unless specific authorization is given, are not released in a manner that would divulge private enterprise.

CONVERSION FACTORS

It is the policy of the Bureau to show detailed catch figures of all products in pounds for the sake of uniformity and for purposes of comparison. This represents little difficulty in the case of fish, since in very rare instances are fish reported in units of measure other than pounds. For shellfish, however, the units of measure may be bushels, sacks, barrels, numbers, gallons of meats, etc. These many units make standardization difficult, and when combined with the wide variation in the requirements or definitions of some of these units in the various states, the problem becomes even more complex.

All univalve and bivalve mollusks (except fresh-water mussel shells) are reported in pounds of meats in the detailed catch tables presented in this report. In addition, there are included supplementary tables for most of the sections, which give data on the production in bushels. These supplementary tables also give the production in number of certain other shellfish, such as crabs. There also is included in the General Review section of this report a table containing data on the shell weight of univalve and bivalve mollusks taken.

Oysters--Probably the greatest problem in the presentation of fishery statistics in uniform units of measure is in the case of oysters. Usually the production of oysters on the Atlantic and Gulf Coasts is reported to Bureau personnel in bushels. Prior to the data obtained for the year 1930, bushels were converted to pounds of meats on the basis of a uniform yield of 7 pounds of meats to the bushel. However, it was found that there was considerable variation in the yield of oysters per bushel particularly in southern states where the yield has ranged as low as half the conversion factor used prior to 1930. There follows a table which gives the measures used for oysters in the various States and the average yields per bushel. The statistical tables in this report are based on these average yields.

STATISTICAL SURVEY PROCEDURE

MEASURES AND YIELDS OF OYSTERS

STATE	CAPACITY OF STATE BUSHEL	VARIATION FROM U.S. STANDARD BUSHEL		YIELD OF MARKET OYSTERS, 1961	
				STATE BUSHEL	U.S. STANDARD BUSHEL
	CUBIC INCHES	CUBIC INCHES	PERCENT	POUNDS OF MEATS	POUNDS OF MEATS
MAINE.	2,150.4	-	-	7.50	7.50
MASSACHUSETTS.	2,150.4	-	-	6.50	6.50
RHODE ISLAND	2,150.4	-	-	7.00	7.00
CONNECTICUT.	2,150.4	-	-	7.70	7.70
NEW YORK	2,150.4	-	-	7.50	7.50
NEW JERSEY	2,257.3	+ 106.9	+ 5.0	7.95	7.57
DELAWARE	2,257.3	+ 106.9	+ 5.0	7.83	7.46
MARYLAND	2,800.7	+ 650.3	+ 30.2	6.33	4.86
VIRGINIA	3,003.9	+ 853.5	+ 39.7	6.12	4.38
NORTH CAROLINA	2,801.9	+ 651.5	+ 30.3	6.76	5.19
SOUTH CAROLINA	4,071.5	+ 1,921.1	+ 89.3	6.02	3.18
GEORGIA.	5,343.9	+ 3,193.5	+148.5	7.18	2.89
FLORIDA, EAST COAST. .	3,214.1	+ 1,063.7	+ 49.5	6.43	4.30
FLORIDA, WEST COAST. .	3,214.1	+ 1,063.7	+ 49.5	6.08	4.07
ALABAMA.	2,826.2	+ 675.8	+ 31.4	6.37	4.85
MISSISSIPPI.	2,826.2	+ 675.8	+ 31.4	5.28	4.02
LOUISIANA.	2,148.4	− 2.0	- 0.1	4.57	4.57
TEXAS.	2,700.0	+ 549.6	+ 25.6	6.10	4.86

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELDS OF CERTAIN MOLLUSKS

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

STATE	CLAMS						PERIWINKLES AND COCKLES	SCALLOP			MUSSELS, SEA	CONCHS
	HARD		OCEAN QUAHOG	SOFT	SURF	RAZOR						
	PUBLIC	PRIVATE						BAY	CALICO	SEA		
MAINE.	11.00	-	-	15.00	-	-	18.00	-	-	6.00	15.00	-
MASSACHUSETTS.	11.00	11.00	-	13.00	11.00	16.00	-	6.00	-	6.00	10.00	15.00
RHODE ISLAND .	12.00	-	10.00	13.00	-	-	-	6.00	-	6.00	10.00	15.00
CONNECTICUT. .	12.00	-	-	13.00	-	-	-	6.20	-	-	-	15.00
NEW YORK . . .	12.00	12.00	-	16.00	17.00	16.00	-	6.00	-	6.00	10.00	15.00
NEW JERSEY . .	10.00	10.00	-	12.00	17.00	-	-	7.50	-	6.00	-	20.00
DELAWARE . . .	8.00	8.00	-	-	-	-	-	-	-	-	-	-
MARYLAND . . .	8.00	-	-	12.00	17.00	-	-	-	-	-	-	20.00
VIRGINIA . . .	8.00	8.00	-	12.00	-	-	-	-	-	6.00	-	20.00
NORTH CAROLINA	7.97	-	-	-	-	-	-	6.00	4.37	-	-	-
SOUTH CAROLINA	8.75	-	-	-	-	-	-	-	-	-	-	-
FLORIDA, EAST COAST	8.00	-	-	-	-	-	-	-	5.00	-	-	14.00
FLORIDA, WEST COAST	5.20	-	-	-	-	-	-	5.29	-	-	-	14.00

AVERAGE NUMBER OF CRABS PER POUND

STATE	BLUE		GREEN	ROCK	STONE	HORSESHOE
	HARD	SOFT AND PEELER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
MAINE.	-	-	-	3.00	-	-
NEW HAMPSHIRE.	-	-	14.29	3.00	-	-
MASSACHUSETTS.	-	-	14.29	3.00	-	-
RHODE ISLAND	-	-	13.79	3.00	-	-
CONNECTICUT.	2.40	-	-	-	-	-
NEW YORK	2.40	-	-	-	-	-
NEW JERSEY	2.00	3.43	-	3.00	-	0.25
DELAWARE	2.40	4.00	-	-	-	-
MARYLAND	2.40	4.00	-	-	-	-
VIRGINIA	2.99	5.77	-	-	-	-
NORTH CAROLINA	3.00	3.00	-	-	-	-
SOUTH CAROLINA	2.52	-	-	-	-	-
GEORGIA.	2.00	-	-	-	-	-
FLORIDA, EAST COAST. .	2.00	4.00	-	-	1.00	-
FLORIDA, WEST COAST. .	2.08	4.00	-	-	1.00	-
ALABAMA.	2.10	-	-	-	-	-
MISSISSIPPI.	2.18	3.43	-	-	-	-
LOUISIANA.	2.00	3.00	-	-	-	-
TEXAS.	1.71	3.00	-	-	-	-

SECTION 14 - GLOSSARY

In order to prevent misunderstanding in the use of common names employed in the tables and discussions, the following list of common and scientific names is given for fish, shellfish, and other aquatic products taken by United States fishermen.

Common names as shown in Bureau reports	Other common names	Scientific names
FISH		
Alewives	Branch herring, big-eyed herring, river herring	*Alosa pseudoharengus*
	Blueback, glut herring, shad herring	*Alosa aestivalis*
Amberjack	Jack	*Seriola* species
Anchovies		*Engraulis mordax* (Pacific)
Angelfish		*Pomacanthus* species *Angelichthys* species
Anglerfish	Goosefish, allmouth, headfish, monkfish, bellyfish	*Lophius americanus*
Ballyhoo	Balao	*Hemiramphus brasiliensis*
Barracuda		*Sphyraena* species
Bluefish	Tailor, skipjack	*Pomatomus saltatrix*
Blue pike	Pike perch, hard pike, blue pickerel (Canada)	*Stizostedion vitreum glaucum*
Blue runner	Runner, hardtail, crevalle	*Caranx crysos*
Bonito		*Sarda sarda* (Atlantic) *Sarda chiliensis* (Pacific)
Bowfin	Fresh-water dogfish, grindle	*Amia calva*
Brown trout		*Salmo trutta*
Buffalofish	Winter carp	*Ictiobus* species
Burbot	Lawyer, ling	*Lota lota*
Butterfish		*Poronotus triacanthus*
Cabezone	Marbled sculpin	*Scorpaenichthys marmoratus*
Cabio	Black bonito, cobia, ling, lemonfish	*Rachycentron canadus*
Cabrilla	Rock bass	*Epinephelus analogus* (Pacific)
Carp	German carp, summer carp	*Cyprinus carpio*
Catfish and bullheads		*Ictalurus* species *Pylodictis olivaris*
Chubs	Longjaw, bluefin, blackfin (United States), tullibee (Canada)	All *Leucichthys* except *artedi* (Great Lakes)
Cigarfish	Scad	*Decapterus punctatus*
Cisco	Herring (Canada)	*Leucichthys artedi* (Lake Erie only)
Cod	Codfish	*Gadus morhua* (Atlantic) *Gadus macrocephalus* (Pacific)
Crappie	White crappie, calico bass	*Pomoxis annularis*
	Black crappie	*Pomoxis nigromaculatus*
Crevalle	Common jack, jackfish	*Caranx hippos*
Croaker	Crocus, hardhead	*Micropogon undulatus*
Cunner	Chogset, blue perch, bergall	*Tautogolabrus adspersus*
Cutlassfish	Silver eel	*Trichiurus lepturus*
Cusk		*Brosme brosme*
Dolly Varden trout	Salmon trout, bull trout	*Salvelinus malma*
Dolphin		*Corphaena hippurus*
Drum:		
Black	Oyster cracker, oyster drum, sea drum	*Pogonias cromis*
Red	Channel bass, redfish, spotted bass	*Sciaenops ocellata*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Eel:		
Common		*Anguilla rostrata*
Conger		*Conger oceanicus*
Flounders:		
Atlantic and Gulf Coasts:		
Gray sole		*Glyptocephalus cynoglossus*
Lemon sole	(weighing over 3-1/2 pounds each)	*Pseudopleuronectes americanus*
Blackback	Winter flounder (weighing under 3-1/2 pounds each)	
Yellowtail	Dab	*Limanda ferruginea*
Dab	Sea dab	*Hippoglossoides platessoides*
Fluke	Summer flounder, gulf flounder, flounder	*Paralichthys* species
Pacific Coast:		
Arrowtooth halibut		*Atheresthes stomias*
California halibut		*Paralichthys californicus*
Sand dabs		*Citharichthys sordidus*
"Sole":		
Dover		*Microstomus pacificus*
English		*Parophrys vetulus*
Petrale		*Eopsetta jordani*
Rex		*Glyptocephalus zachirus*
Sand		*Psettichthys melanostictus*
Unclassified		Pleuronectidae and Bothidae
Flying fish		*Cypselurus* species
Garfish	Gar, sea gar	*Lepisosteus* species
Gizzard shad	Nanny shad, mud shad, winter shad	*Dorosoma cepedianum*
Goldfish	Sand perch, gold perch	*Carassius auratus*
Groupers	"Sea bass"	*Epinephelus* species *Mycteroporca* species
Grunts	Margate fish, sailors' choice	*Haemulon* species
Haddock		*Melanogrammus aeglefinus*
Hake:		
Red	Squirrel hake, ling, black hake, mud hake	*Urophycis chuss* (Atlantic)
White	Hake	*Urophycis tenuis* (Atlantic)
Pacific	Merluccio	*Merluccius productus* (Pacific)
Halfmoon	Rudder fish	*Medialuna californiensis*
Halibut		*Hippoglossus hippoglossus* (Atlantic) *Hippoglossus stenolepis* (Pacific)
Hardhead	Sacramento rockfish	*Orthodon microlepidotus* (Pacific)
Harvestfish	Starfish, dollarfish, pappyfish, butterfish (N.C.)	*Peprilus paru*
Herring:		
Lake	Herring	*Leucichthys artedi* (Great Lakes except Erie)
Sea		*Clupea harengus* (Atlantic) *Clupea pallasii* (Pacific)
Thread		*Opisthonema oglinum*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Hickory shad	Tailor shad, skip, autumnal herring	*Alosa mediocris*
Hogchoker		*Trinectes maculatus*
Hogfish	Capitaine, perro perro	*Lachnolaimus maximus*
Jack mackerel	Horse mackerel	*Trachurus symmetricus*
Jewfish		*Promicrops itaiara*
King croaker	Kingfish, white croaker	*Genyonemus lineatus*
King mackerel	Cero, kingfish	*Scomberomorus cavalla* *Scomberomorus regalis*
King whiting or "kingfish".	Whiting, sea mink, ground mullet	*Menticirrhus* species
Lake trout		*Salvelinus namaycush*
Lamprey		*Petromyzon marinus* (Atlantic) *Lampetra tridentatas* (Pacific)
Launce	Sand eel, lant, sand launce	*Ammodytes americanus*
Lingcod	Cultus cod, blue cod, buffalo cod, ling	*Ophiodon elongatus*
Boston mackerel		*Scomber scombrus* (Atlantic)
Pacific mackerel		*Scomber japonicus*
Menhaden	Mossbunker, pogy, fatback	*Brevoortia* species
Minnows		Cyprinidae
Mojarra	Sand perch, sand bream	Gerridae
Mooneye	Goldeye, toothed herring	*Hiodon* species
Mullet	Jumping mullet, striped mullet, silver mullet	*Mugil* species
Muttonfish	Mutton snapper	*Lutjanus analis*
Ocean perch:		
Atlantic	Rosefish, redfish, red perch	*Sebastes marinus*
Pacific		*Sebastodes alutus*
Ocean pout	Eelpout, sea pout	*Macrozoarces americanus*
Opaleye		*Girella nigricans*
Paddlefish	Spoonbill cat	*Polyodon spathula*
Perch	Surffish	Embiotocidae (Pacific)
Permit		*Trachinotus goodei*
Pigfish	Hogfish (N.C.)	*Orthopristis chrysopterus*
Pike or pickerel	Great Lakes pike	*Esox* species
Pinfish	Bream, salt-water bream	*Lagodon rhomboides*
Pollock	Boston bluefish	*Pollachius virens* (Atlantic)
Pompano		*Trachinotus* species (Atlantic) *Palometa simillima* (Pacific)
Quillback	Spearfish or skimfish	*Carpiodes* species
Ratfish		*Hydrolagus colliei*
Rock bass	Redeye, goggle-eye, groupers, sand bass	*Ambloplites rupestris* (fresh-water) *Paralabrax nebulifer* (Pacific)
Rockfishes	Rock cod, snapper	*Sebastodes* species (Pacific)
Sablefish	Black cod	*Anoplopoma fimbria*
Salmon:		
Atlantic		*Salmo salar* (Atlantic)
Pacific:		
Chinook or king	Tyee, spring	*Oncorhynchus tshawytscha*
Chum or keta	Fall, dog	*Oncorhynchus keta*
Pink	Humpback	*Oncorhynchus gorbuscha*
Red or sockeye	Blueback	*Oncorhynchus nerka*
Silver or coho		*Oncorhynchus kisutch*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Sand perch	Yellowtail, silver perch	*Bairdiella chrysura*
Sardine (Pacific)	Pilchard	*Sardinops caerulea* (Pacific)
Sauger	Sand pike	*Stizostedion canadense*
Saury	Mackerel-pike	*Cololabis saira*
Sawfish		*Pristis pectinatus*
Sculpin	Scorpionfish	*Myoxocephalus* species
Scup or porgy	Porgee, paugy, fair maid	*Calamus and Stenotomus* species
Sea bass:		
Black	Black jewfish (Pacific) Blackfish (Atlantic)	*Stereolepis gigas* *Centropristes striatus*
White		*Cynoscion nobilis* (Pacific)
Sea catfish	Gafftopsail	*Bagre marinus*
Sea robin		*Prionotus* species
Sea trout or weakfish:		
Gray	Gray trout, squeteague	*Cynoscion regalis*
Spotted	Spotted trout, speckled trout	*Cynoscion nebulosus*
White	White trout, sand trout	*Cynoscion arenarius*
Shad	American shad, white shad	*Alosa sapidissima*
Sharks:		
Grayfish	Dogfish, spiny and smooth dog	*Squalus* and *Mustelus* species
Soupfin		*Galeorhinus zyopterus*
Other		*Carcharodon, Carcharias, Sphryna, Prionace and Lamna* species
Sheepshead:		
Fresh-water	Fresh-water drum, gaspergou, gou	*Aplodinotus grunniens*
Salt-water	 California redfish, fathead	*Archosargus* species (Atlantic) *Pimelometopon pulcher* (Pacific)
Sierra		*Scomberomorus sierra* (Pacific)
Silversides	Spearing	*Menidia* species
Skates	Ray, rajafish	*Raja* species
Smelt	 Eulachon	*Osmerus mordax* (Atlantic and Great Lakes), Atherinidae and Osmeridae (Pacific) *Thaleichthys pacificus*
Snapper:		
Mangrove	Gray snapper	*Lutjanus griseus*
Red		*Lutjanus blackfordii*
Vermilion		*Rhomboplites* species
White		*Lutjanus griseus*
Yellowtail		*Ocyurus chrysurus*
Snook	Robalo, sergeantfish, pike	*Centropomus undecimalis*
Spadefish	Angelfish	*Chaetodipterus faber*
Spanish mackerel	Mackerel	*Scomberomorus maculatus*
Spanish sardine		*Sardinella anchovia*
Splittail		*Pogonichthys macrolepidotus*
Spot	Lafayette, goody	*Leiostomus xanthurus*
Steelhead trout	Salmon trout	*Salmo gairdneri*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Striped bass	Rockfish, rock	*Roccus saxatilis*
Sturgeon:		
Common		*Acipenser* species
Shovelnose		*Scaphirhynchus platorynchus*
Suckers	Fresh-water mullet, redfin, bayfish	*Catostomus* species
Sunfish	Bream, perch, bluegill	*Lepomis* species
Swellfish	Puffer, swell toad, globefish, blowfish	*Sphaeroides maculatus*
Swordfish		*Xiphias gladius*
Tautog	Blackfish, oysterfish	*Tautoga onitis*
Tenpounder	Big-eyed herring, ladyfish	*Elops saurus*
Thimble-eyed mackerel	Chub mackerel, bullseye mackerel	*Pneumatophorus colias*
Tilefish		*Lopholatilus chamaeleonticeps*
Tomcod	Frost fish	*Microgadus tomcod* (Atlantic) *Microgadus proximus* (Pacific)
Triggerfish		*Balistes* species
Tripletail	Sunfish (N.C.), blackfish	*Lobotes surinamensis*
Tullibee	(See chubs)	
Tuna:		
Albacore	Longfin tuna	*Thunnus alalunga*
Bluefin	Horse mackerel	*Thunnus thynnus*
Little	Bonito, albacore, false albacore	*Euthynnus alletteratus*
Skipjack	Striped tuna	*Katsuwonus pelamis*
Yellowfin		*Thunnus albacares*
Turbot		Pleuronectidae (Pacific)
Wahoo		*Acanthocybium solandri*
Warsaw	Black Jewfish	*Garrupa nigrita*
Whitebait	Silversides	*Menidia beryllina* (Atlantic) Small fry of several species (Pacific)
White bass	White lake bass	*Roccus chrysops*
Whitefish:		
Common		*Coregonus clupeaformis*
Menominee		*Prosopium quadrilaterale*
White perch		*Morone americana*
Whiting	Silver hake	*Merluccius bilinearis*
Wolffish	Ocean catfish (New England)	*Anarhichas lupus*
Yellow bass	Bar fish	*Roccus mississippiensis*
Yellow perch	Ringed perch, perch	*Perca flavescens*
Yellow pike	Wall-eyed pike, pike perch, dore (Canadian)	*Stizostedion vitreum vitreum*
Yellowtail	(For Atlantic,see snapper, yellowtail)	*Seriola dorsalis* (Pacific)
CRUSTACEANS		
Crabs:		
Blue:		
Hard	Hard-shell crab	*Callinectes sapidus*
Soft and peeler	Soft-shell crab	
Dungeness		*Cancer magister*
King	Alaska king crab	*Paralithodes camschatica*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
CRUSTACEANS - Continued		
Crabs: - Continued		
Rock		*Cancer irroratus* (New England) *Cancer* species (California)
Stone		*Menippe mercenaria*
Crawfish:		
Fresh-water	Crayfish	*Cambarus* species (Atlantic) *Astacus* species (Pacific)
Salt-water	(See lobsters, spiny)	
Horseshoe crab	King crab	*Limulus* species
Lobsters:		
Northern		*Homarus americanus* (Atlantic)
Spiny	Sea crawfish, rock lobster	*Panulirus argus* (Atlantic) *Panulirus interruptus* (Pacific)
Shrimp	Prawn	*Penaeus*, *Pandalus*, and *Xiphopenaeus* (Atlantic), *Pandalus*, *Pandalopsis*, and *Crangon* species (Pacific)
MOLLUSKS		
Abalone		*Haliotis* species
Clams:		
Cockle		*Cardium corbis* (Pacific)
Hard	Butter	*Saxidomus nuttalli* (Pacific)
	Little neck	*Protothaca staminea* (Pacific)
	Round clam, cherrystone, quahog, little neck	*Venus mercenaria*, *Mercenaria mercenaria*
Ocean quahog		*Arctica islandica*
Razor		*Ensis* species (Atlantic) *Siliqua patula* (Pacific)
Soft	Soft-shell clam, sand clam, nannynose, maninose	*Mya arenaria*
Surf	Skimmer	*Spisula solidissima*
Conchs		*Strombus* species *Busycon* species
Mussels:		
Sea		*Mytilus californianus* (Pacific) *Mytilus edulis* (Atlantic)
Fresh-water:		
Mussel shells		Unionidae
Pearls and slugs		
Octopus	Devilfish	*Paroctopus appollyon*
Oysters:		
Eastern	Cove	*Crassostrea virginica*
Pacific	Japanese	*Crassostrea gigas*
Western	Olympia, native	*Ostrea lurida*
Periwinkles or cockles		*Littorina* species
Scallops:		
Bay		*Pecten* species (Atlantic) *Pecten caurinus* (Pacific)
Sea		*Placopecten magellanicus*

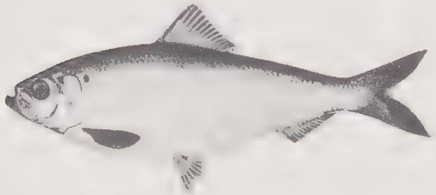
(Continued on next page)

Common names as shown in Bureau reports	Other Common names	Scientific names
MOLLUSKS - Continued		
Squid	Inkfish, bone squid, taw taw	*Loligo opalescens* (Pacific) *Loligo pealii* (Atlantic)
OTHER		
Sea urchins	Sea eggs	*Strongylocentrotus drobachiensis*
Terrapin	Diamond-back terrapin	*Malaclemys* species
Turtles:		
Baby		(Young of fresh-water species)
Green		*Chelonia mydas*
Loggerhead		*Caretta* species
Sliders		*Pseudemys* species
Snapper	Hard-shell, alligator turtle	*Chelydra serpentina* *Macrochelys temmickii*
Soft-shell		*Amyda* species
Frogs		*Rana* species
Irish moss		*Chondrus crispus*
Kelp		*Macrocystis* species
Sponges:		
Glove		*Hippiospongia conaliculata*
Grass		*Spongia graminea*
Sheepswool	Wool	*Hippiospongia lachne*
Yellow		*Spongia barbara*
Whales:		
Blue		*Balaenoptera musculus*
Bottlenose		*Berardius bairdi*
Fin		*Balaenoptera physalus*
Humpback		*Megaptera* species
Sei		*Balaenoptera borealis*
Sperm		*Physeter catodon*
Bloodworms		Glyceridae
Sandworms		*Nereis* species

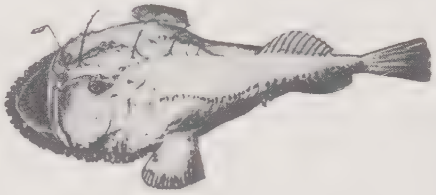
SECTION 15 - PICTORIAL SECTION

As many of the readers of this publication may not be familiar with all of the species of fish and shellfish, etc., taken commercially in the United States, illustrations of many of the various species are included in the following pages. The descriptive material appearing with each species includes the areas in which commercial landings are made in the United States and does not constitute the extreme limits in which they occur. Similarly, the gear listed for each species do not represent the only types of apparatus by which these species are obtained, but represent those types which are normally used in their capture. The gear do not necessarily appear in the order of their importance. Illustrations of species landed in Hawaii are not included in this section.

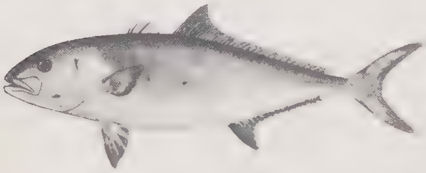
For more detailed information on the nomenclature of the fishery products listed below, the reader is referred to Section 14 of this publication entitled, "Glossary."



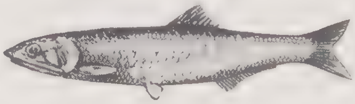
ALEWIFE
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, GILL NETS, WEIRS,
DIP NETS, HAUL SEINES, FLOATING TRAPS,
FYKE NETS



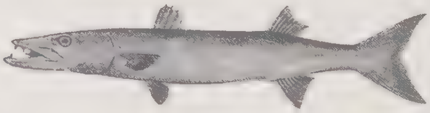
ANGLERFISH
RANGE - NEW JERSEY TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS



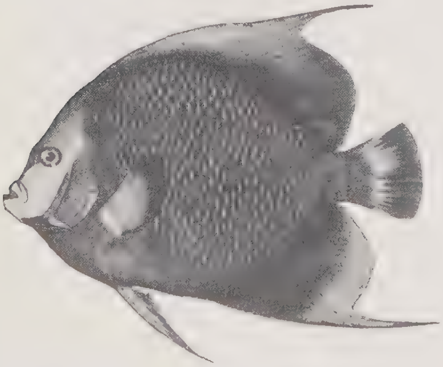
AMBERJACK
RANGE - FLORIDA
GEAR - HANDLINES, TROLL LINES



ANCHOVY
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES AND HAUL SEINES



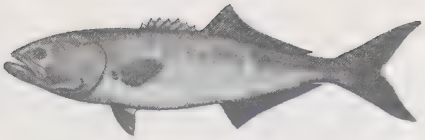
BARRACUDA (ATLANTIC)
RANGE - FLORIDA
GEAR - TROLL LINES, HANDLINES



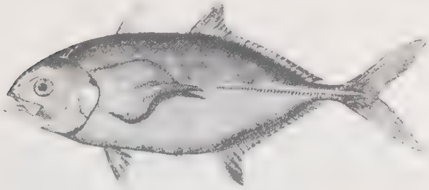
ANGELFISH
RANGE - FLORIDA
GEAR - HAUL SEINES

BARRACUDA (PACIFIC)
RANGE - CALIFORNIA
GEAR - PURSE SEINES, LONGLINES, HANDLINES,
TROLL LINES, GILL AND TRAMMEL NETS

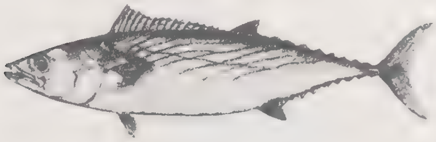
PICTORIAL SECTION



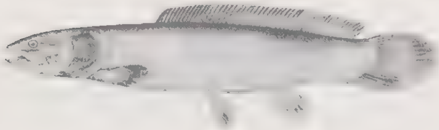
BLUEFISH
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
TROLL LINES, PURSE SEINES



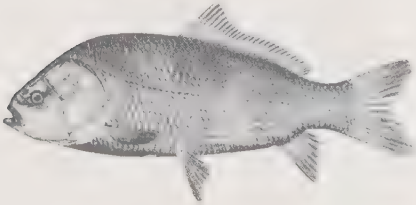
BLUE RUNNER OR HARDTAIL
RANGE - GULF OF MEXICO
GEAR - HAUL SEINES, GILL NETS, POTS



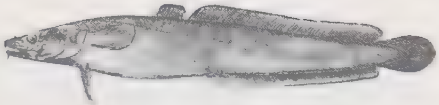
BONITO (ATLANTIC)
RANGE - NORTH CAROLINA TO MASSACHUSETTS
GEAR - POUND NETS, TROLL LINES, GILL NETS



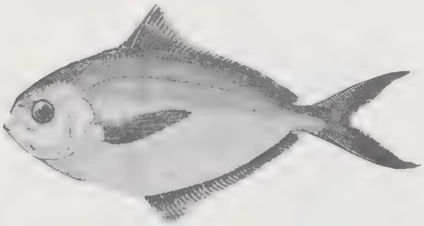
BOWFIN
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



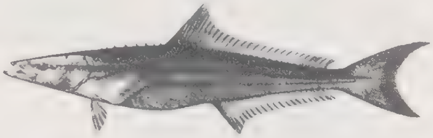
BUFFALOFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, FYKE NETS, TRAMMEL
NETS, TROTLINES



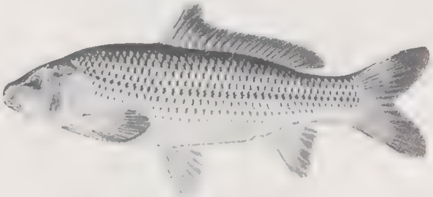
BURBOT
RANGE - GREAT LAKES
GEAR - GILL NETS, FYKE NETS, POUND
NETS, TRAP NETS



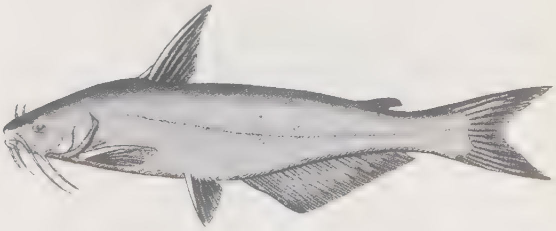
BUTTERFISH
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



CABIO
RANGE - FLORIDA TO VIRGINIA
GEAR - HANDLINES, POUND NETS

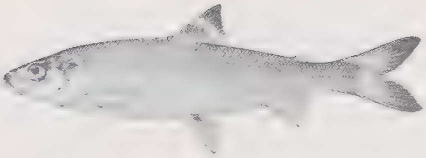


CARP
RANGE - FRESH-WATER
GEAR - HAUL SEINES, GILL NETS, TRAP NETS,
FYKE NETS, POUND NETS, TROTLINES

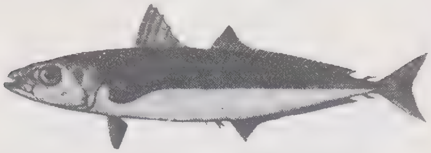


CATFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, POUND
NETS, POTS, FYKE NETS

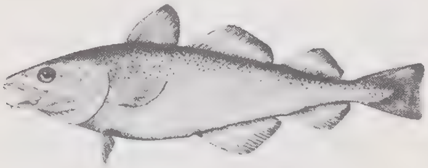
PICTORIAL SECTION



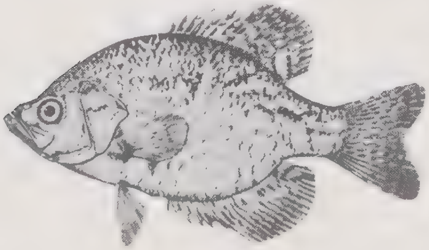
CHUB
RANGE - GREAT LAKES
GEAR - GILL NETS



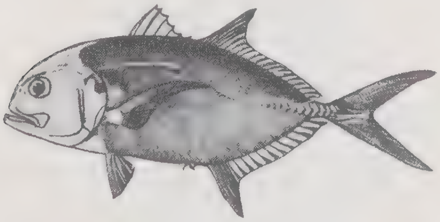
CIGARFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



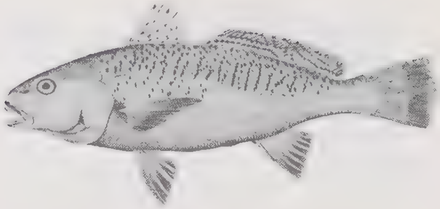
COD
RANGE - VIRGINIA TO MAINE, WASHINGTON, AND ALASKA
GEAR - OTTER TRAWLS, LONGLINES, GILL NETS



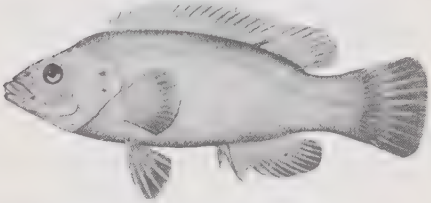
CRAPPIE
RANGE - FRESH-WATER LAKES
GEAR - HAUL SEINES, LINES, POTS



CREVALLE
RANGE - SOUTH ATLANTIC AND GULF STATES
GEAR - HAUL SEINES, GILL NETS, LINES

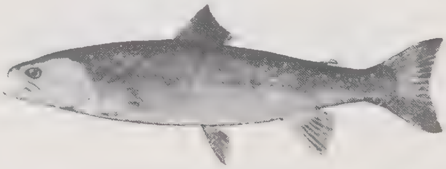


CROAKER
RANGE - GULF OF MEXICO TO NEW YORK
GEAR - POUND NETS, OTTER TRAWLS, HAUL SEINES, GILL NETS

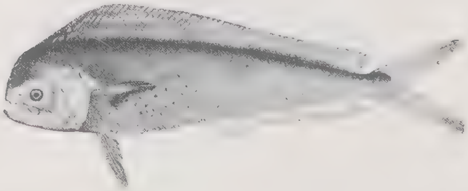


CUNNER
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES

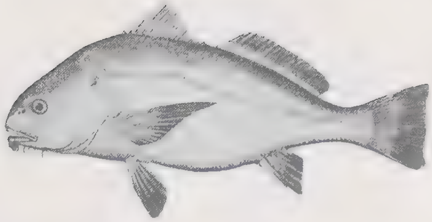
CUSK
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, LONGLINES



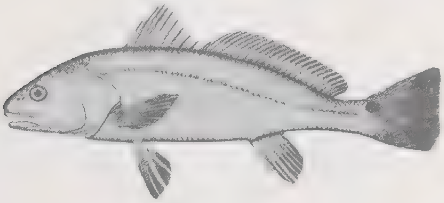
DOLLY VARDEN TROUT
RANGE - PACIFIC
GEAR - POUND NETS, GILL NETS, LINES



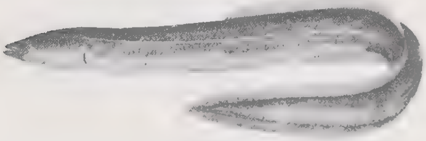
DOLPHIN
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - TROLL LINES



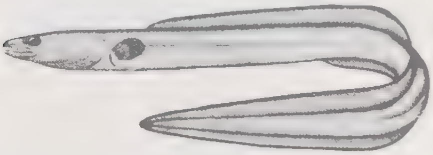
DRUM, BLACK
RANGE - TEXAS TO NORTH CAROLINA
GEAR - HAUL SEINES, POUND NETS, LINES



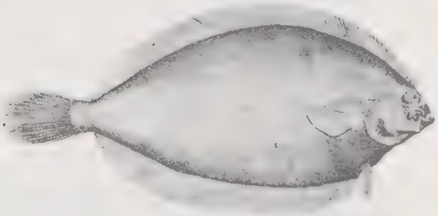
DRUM, RED
RANGE - TEXAS - MARYLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS, LINES



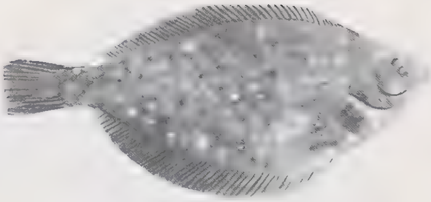
EEL, COMMON
RANGE - FLORIDA TO NEW ENGLAND AND IN MISSISSIPPI RIVER, LAKE ONTARIO
GEAR - POTS, SPEARS, POUND NETS



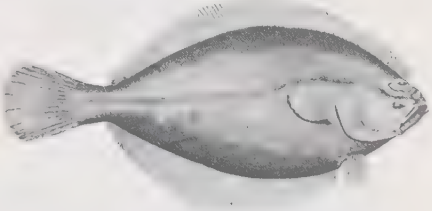
EEL, CONGER
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS



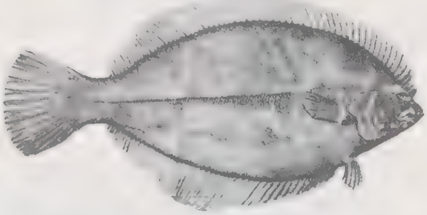
GRAY SOLE
RANGE - MASSACHUSETTS TO MAINE
GEAR - OTTER TRAWLS



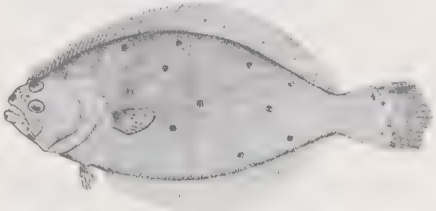
LEMON SOLE
RANGE - NEW YORK TO MAINE
GEAR - OTTER TRAWLS



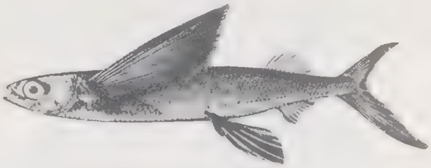
DAB
RANGE - MASSACHUSETTS TO NOVA SCOTIA
GEAR - OTTER TRAWLS, LONGLINES



BLACKBACK OR WINTER FLOUNDER
RANGE - NORTH CAROLINA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS, FYKE NETS, SPEARS, LINES

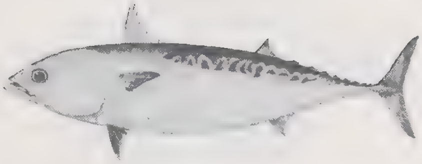


FLUKE
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWL, SPEARS, LINES

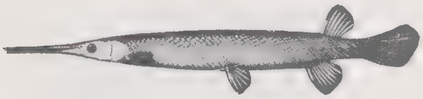


FLYING FISH
RANGE - PACIFIC AND ATLANTIC OCEANS
GEAR - GILL NETS

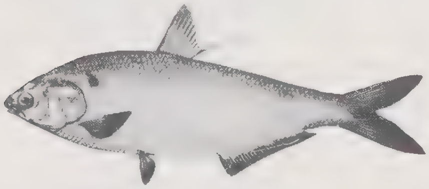
PICTORIAL SECTION



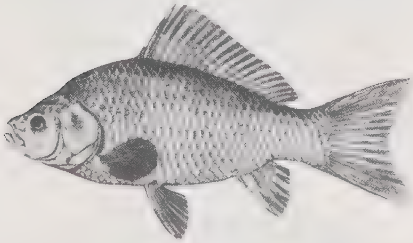
FRIGATE MACKEREL
RANGE - MIDDLE ATLANTIC
GEAR - POUND NETS



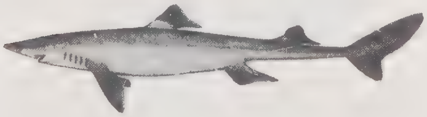
GARFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES



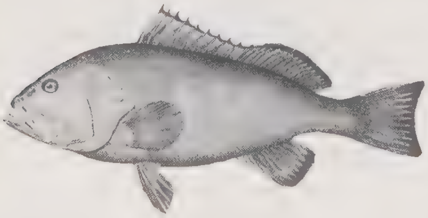
GIZZARD SHAD
RANGE - NORTH CAROLINA TO MARYLAND,
GREAT LAKES
GEAR - HAUL SEINES, POUND NETS, GILL NETS



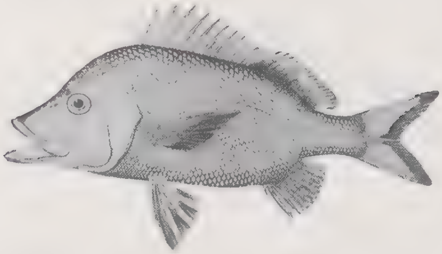
GOLDFISH
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



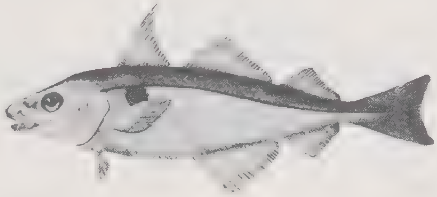
GRAYFISH
RANGE - PACIFIC
GEAR - LONGLINES, OTTER TRAWLS, GILL NETS



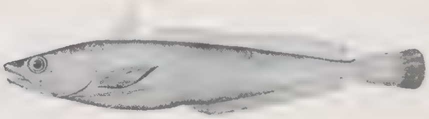
GROUPER
RANGE - TEXAS TO SOUTH CAROLINA
GEAR - HANDLINES, POTS



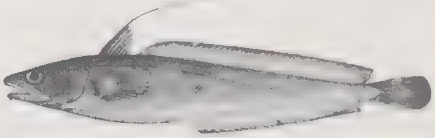
GRUNT
RANGE - FLORIDA
GEAR - POTS, GILL NETS, LINES



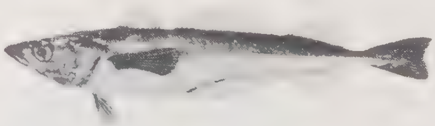
HADDOCK
RANGE - NEW ENGLAND STATES
GEAR - OTTER TRAWLS, GILL NETS, LONGLINES



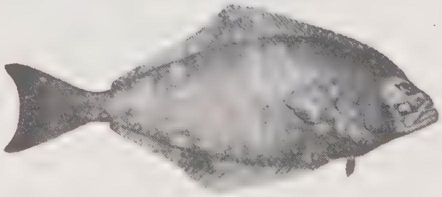
HAKE, RED
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



HAKE, WHITE
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES

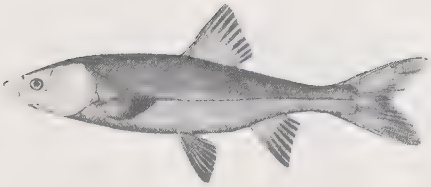


HAKE (PACIFIC)
RANGE - PACIFIC
GEAR - OTTER TRAWLS

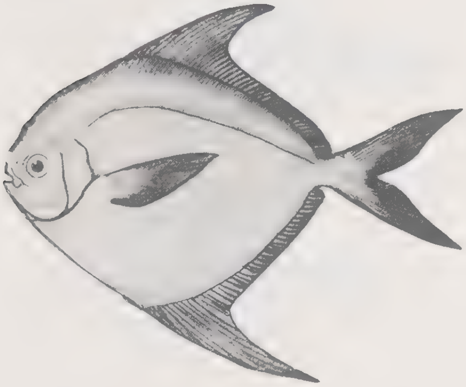


HALIBUT
RANGE - PACIFIC COAST - NEW ENGLAND
GEAR - LONGLINES, OTTER TRAWLS

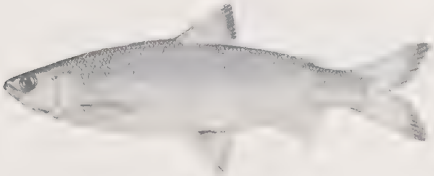
PICTORIAL SECTION



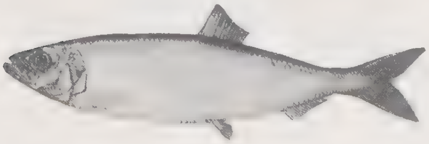
HARDHEAD
RANGE - CALIFORNIA
GEAR - FYKE NETS



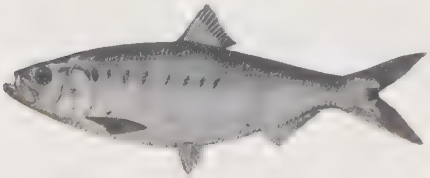
HARVESTFISH OR "STARFISH"
RANGE - NORTH CAROLINA TO CHESAPEAKE BAY
GEAR - HAUL SEINES, POUND NETS



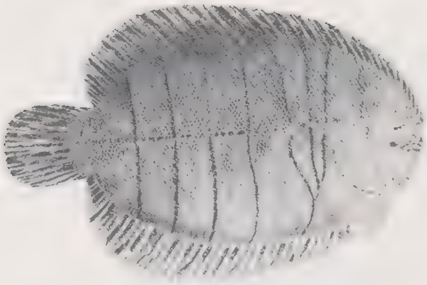
HERRING, LAKE
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, POUND NETS, TRAP NETS



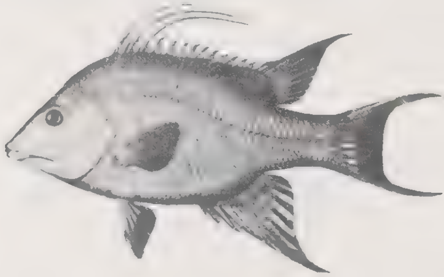
HERRING, SEA
RANGE - NEW JERSEY TO NEW ENGLAND, PACIFIC COAST STATES AND ALASKA
GEAR - PURSE SEINES, WEIRS, FLOATING TRAPS, STOP SEINES



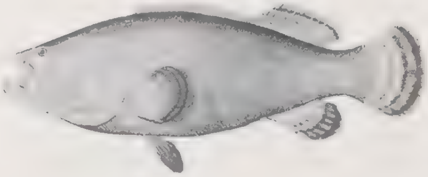
HICKORY SHAD
RANGE - FLORIDA TO RHODE ISLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS FLOATING TRAPS



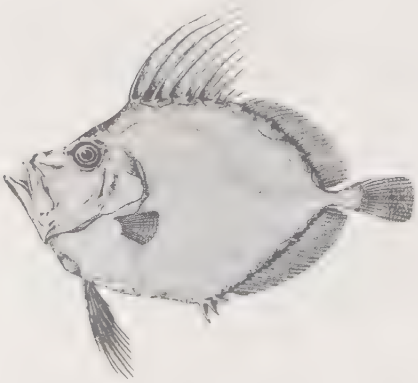
HOGCHOKER
RANGE - CHESAPEAKE BAY
GEAR - POUND NETS, HAUL SEINES



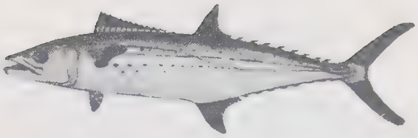
HOGFISH
RANGE - FLORIDA
GEAR - LINES



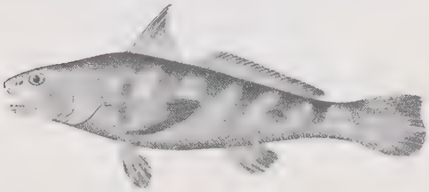
JEWFISH
RANGE - FLORIDA
GEAR - HANDLINES



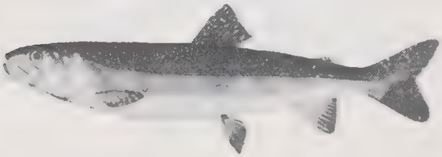
JOHN DORY
RANGE - MIDDLE ATLANTIC STATES
GEAR - OTTER TRAWLS



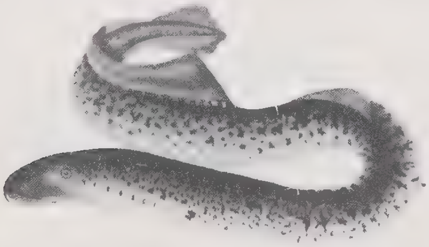
KING MACKEREL
RANGE - TEXAS TO NEW YORK
GEAR - TROLL LINES, GILL NETS, HANDLINES



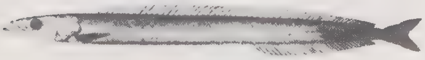
KING WHITING
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWLS, HAUL SEINES, POUND NETS



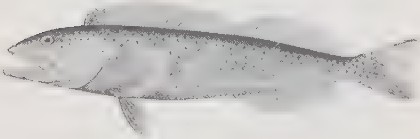
LAKE TROUT
RANGE - GREAT LAKES
GEAR - GILL NETS, LINES, POUND NETS (TRAP NETS)



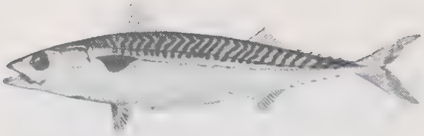
LAMPREY
RANGE - FRESH-WATER
GEAR - POTS, FYKE NETS



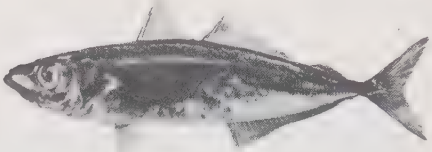
LAUNCE
RANGE - NEW ENGLAND
GEAR - HAUL SEINES



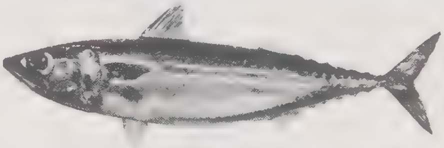
LINGCOD
RANGE - CALIFORNIA TO ALASKA
GEAR - OTTER TRAWLS, LONGLINES, HANDLINES



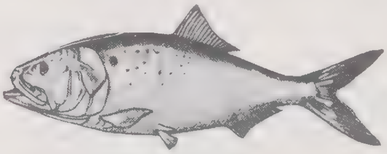
MACKEREL, ATLANTIC
RANGE - CHESAPEAKE BAY TO MAINE
GEAR - PURSE SEINES, GILL NETS, POUND NETS,
FLOATING TRAPS



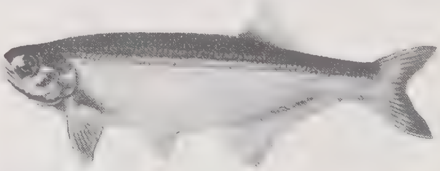
MACKEREL, JACK
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS



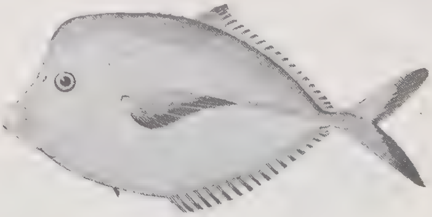
MACKEREL, PACIFIC
RANGE - CALIFORNIA
GEAR - LINES, SEINES. LAMPARA NETS



MENHADEN
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - PURSE SEINES. POUND NETS

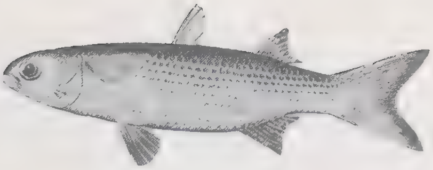


MOONEYE
RANGE - GREAT LAKES
GEAR - HAUL SEINES

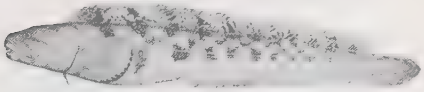


MOONFISH
RANGE - FLORIDA
GEAR - HANDLINES, HAUL SEINES

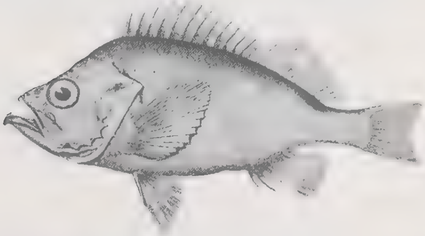
PICTORIAL SECTION



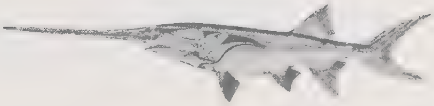
MULLET
RANGE - TEXAS TO NEW JERSEY
GEAR - GILL NETS, HAUL SEINES, POUND NETS, CAST NETS



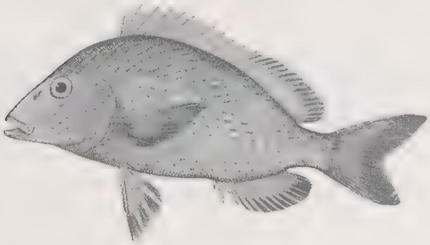
OCEAN POUT
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS



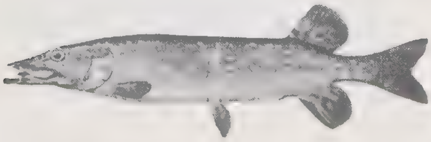
OCEAN PERCH
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS



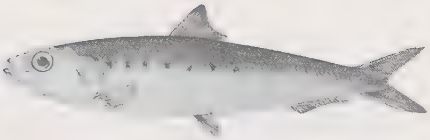
PADDLEFISH
RANGE - GULF OF MEXICO, MISSISSIPPI RIVER
GEAR - HAUL SEINES, TROTLINES



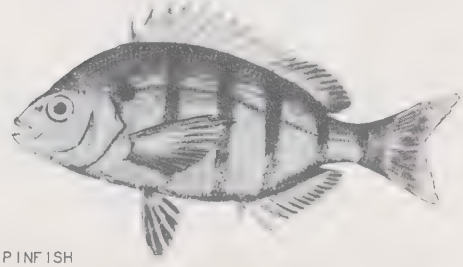
PIGFISH
RANGE - FLORIDA
GEAR - POTS, HANDLINES, GILL NETS



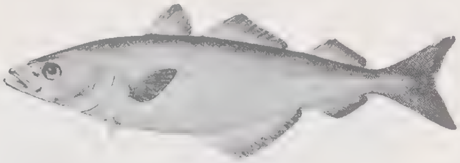
PIKE OR PICKEREL
RANGE - FRESH-WATER
GEAR - TRAP NETS, FYKE NETS, GILL NETS, POUND NETS, HANDLINES



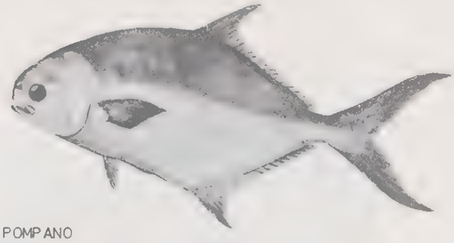
SARDINE, PACIFIC (PILCHARD)
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES, LAMPARA AND RING NETS, GILL NETS



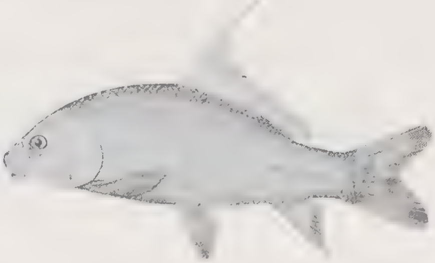
PINFISH
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - HAUL SEINES, GILL NETS



POLLOCK
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, FLOATING TRAPS, POUND NETS, OTTER TRAWLS, GILL NETS

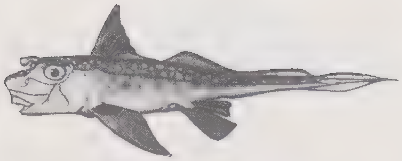


POMPANO
RANGE - TEXAS TO NORTH CAROLINA
GEAR - TRAMMEL NETS, HAUL SEINES, GILL NETS, HANDLINES

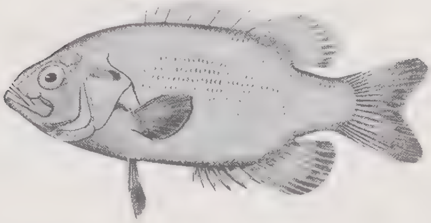


QUILLBACK
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, FYKE NETS

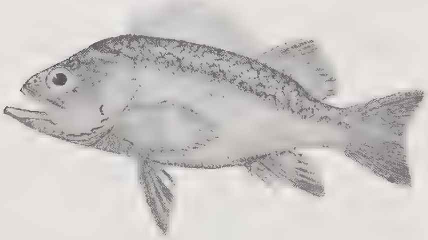
PICTORIAL SECTION



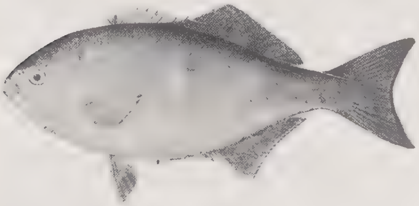
RATFISH
RANGE - WASHINGTON TO ALASKA
GEAR - BEAM TRAWLS, LONGLINES



ROCK BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES, GILL NETS



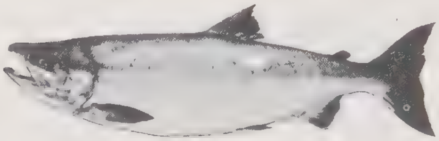
ROCKFISH
RANGE - CALIFORNIA TO ALASKA
GEAR - LINES, OTTER TRAWLS, PARANZELLA NETS, GILL NETS



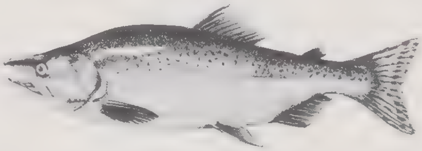
RUDDERFISH
RANGE - CALIFORNIA
GEAR - LAMPARA AND RING NETS

SABLEFISH
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LONGLINES, OTTER TRAWLS

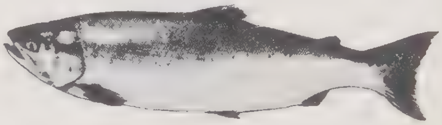
SALMON, CHINOOK OR KING
RANGE - CALIFORNIA TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, TROLL LINES, REEF NETS



SALMON, CHUM OR KETA
RANGE - OREGON TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, REEF NETS

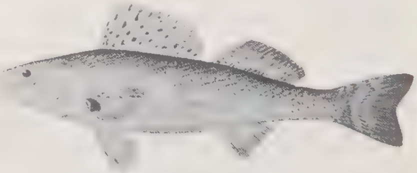


SALMON, PINK
RANGE - WASHINGTON TO ALASKA
GEAR - PURSE SEINES, POUND NETS, GILL NETS REEF NETS



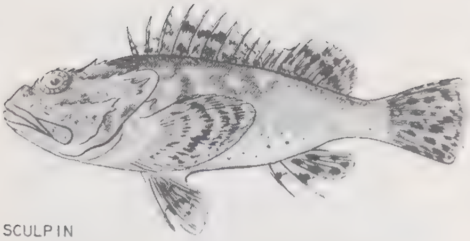
SALMON, RED OR SOCKEYE
RANGE - OREGON TO ALASKA
GEAR - GILL NETS, PURSE SEINES, POUND NETS, REEF NETS

SALMON, SILVER OR COHO
RANGE - CALIFORNIA TO ALASKA
GEAR - HAUL SEINES, PURSE SEINES, GILL NETS, TROLL LINES, POUND NETS, REEF NETS

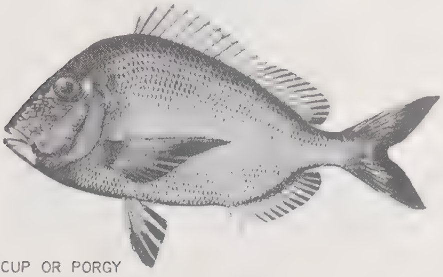


SAUGER
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS, FYKE NETS

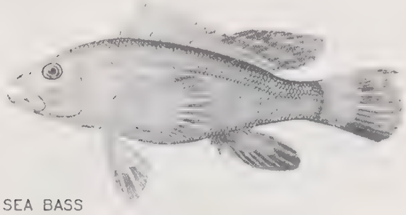
PICTORIAL SECTION



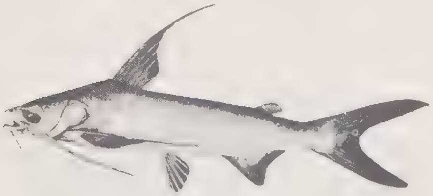
SCULPIN
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LINES, GILL NETS, POTS



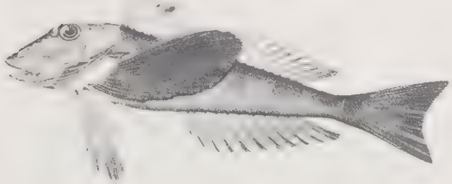
SCUP OR PORGY
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, POUND NETS



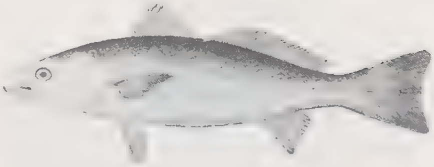
SEA BASS
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES, POTS



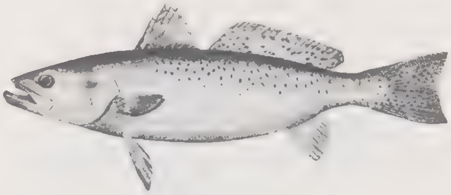
SEA CATFISH
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - OTTER TRAWLS, HAUL SEINES, HANDLINES



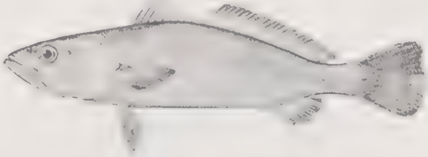
SEA ROBIN
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, OTTER TRAWLS



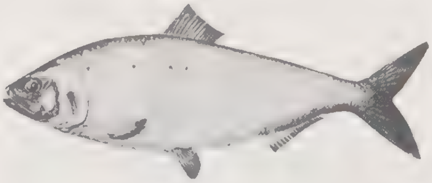
SEA TROUT OR WEAKFISH, GRAY
RANGE - FLORIDA TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES



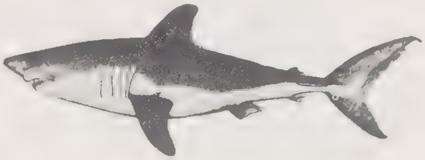
SEA TROUT OR WEAKFISH, SPOTTED
RANGE - MARYLAND TO TEXAS
GEAR - GILL NETS, TRAMMEL NETS, HAUL SEINES, POUND NETS, OTTER TRAWLS, HANDLINES



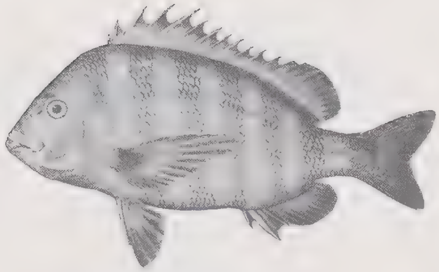
SEA TROUT OR WEAKFISH, WHITE
RANGE - GULF OF MEXICO
GEAR - GILL NETS, HAUL SEINES, HANDLINES



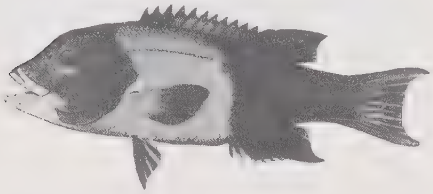
SHAD
RANGE - FLORIDA TO NEW ENGLAND
GEAR - GILL NETS, POUND NETS, FYKE NETS, HAUL SEINES



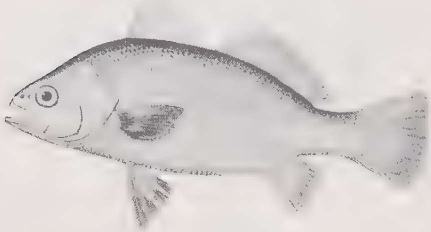
SHARK
RANGE - ATLANTIC COAST, GULF, PACIFIC COAST STATES
GEAR - LONGLINES, GILL NETS, OTTER TRAWLS



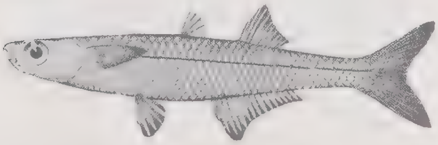
SHEEPSHEAD
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - HANDLINES, POTS



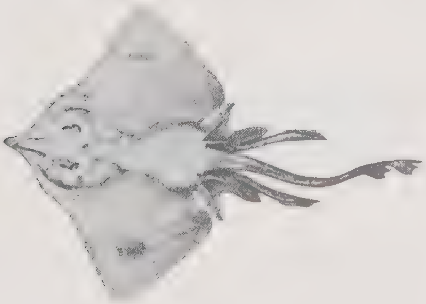
SHEEPSHEAD, CALIFORNIA
RANGE - CALIFORNIA
GEAR - LONGLINES, TRAMMEL NETS



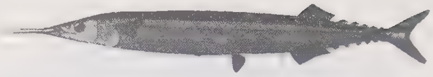
SAND PERCH
RANGE - TEXAS TO NEW YORK
GEAR - HAUL SEINES, GILL NETS, POUND NETS



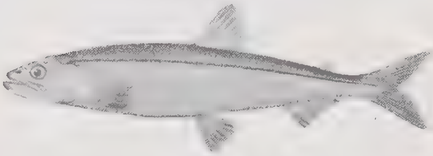
SILVERSIDES
RANGE - NEW YORK
GEAR - HAUL SEINES, OTTER TRAWLS



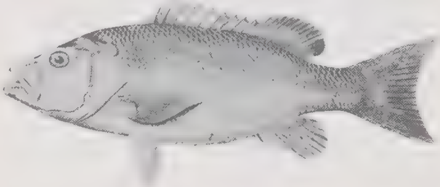
SKATE
RANGE - PACIFIC COAST, CHESAPEAKE BAY TO NEW ENGLAND
GEAR - LINES, OTTER TRAWLS, POUND NETS, HAUL SEINES



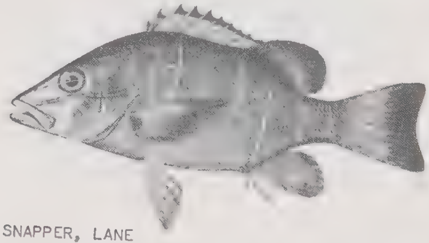
SKIPPER
RANGE - VIRGINIA TO NOVA SCOTIA
GEAR - POUND NETS, WEIRS



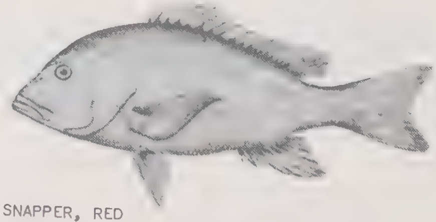
SMELT
RANGE - NEW YORK TO MAINE, PACIFIC OCEAN, GREAT LAKES
GEAR - POUND NETS, DIP NETS, GILL NETS, HAUL SEINES



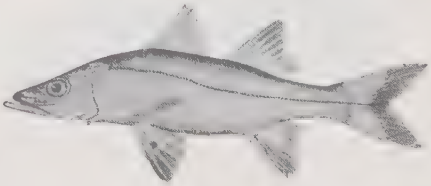
SNAPPER, MANGROVE
RANGE - FLORIDA
GEAR - HANDLINES, GILL NETS



SNAPPER, LANE
RANGE - FLORIDA
GEAR - HANDLINES

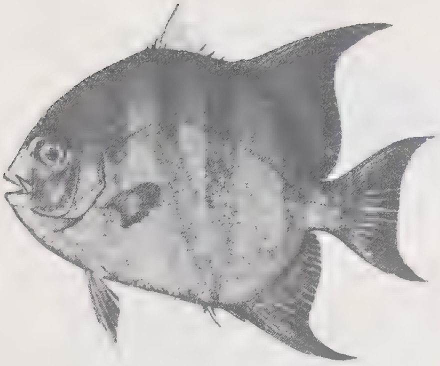


SNAPPER, RED
RANGE - TEXAS TO FLORIDA
GEAR - HANDLINES

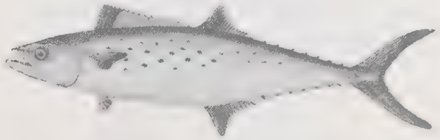


SNOOK
RANGE - TEXAS TO FLORIDA
GEAR - GILL NETS, HANDLINES, HAUL SEINES

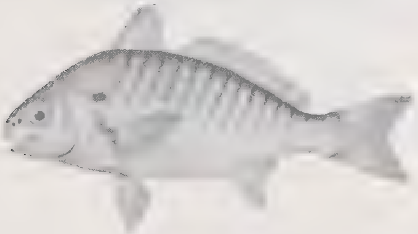
PICTORIAL SECTION



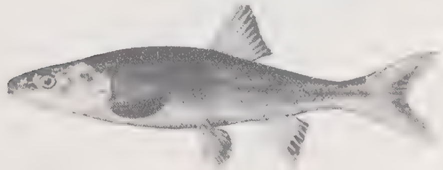
SPADEFISH
RANGE - FLORIDA
GEAR - GILL NETS, TRAMMEL NETS



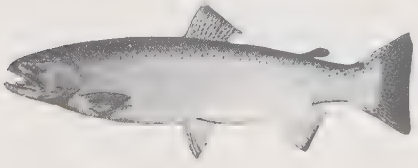
SPANISH MACKEREL
RANGE - TEXAS TO VIRGINIA
GEAR - GILL NETS, LINES, HAUL SEINES



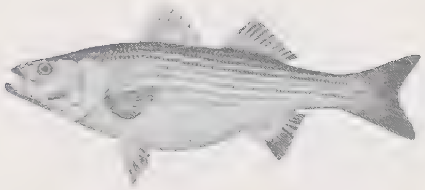
SPOT
RANGE - GULF OF MEXICO TO MIDDLE ATLANTIC STATES
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
OTTER TRAWLS



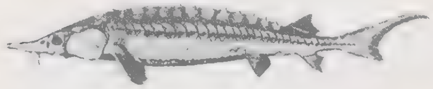
SQUAWFISH
RANGE - CALIFORNIA
GEAR - FYKE NETS, GILL NETS



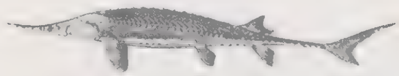
STEELHEAD TROUT
RANGE - OREGON TO ALASKA
GEAR - HAUL SEINES, POUND NETS, GILL NETS,
LINES, DIP NETS



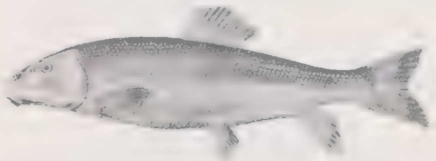
STRIPED BASS
RANGE - NORTH CAROLINA TO NEW ENGLAND, CALIFORNIA
TO OREGON
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
HANDLINES, FYKE NETS



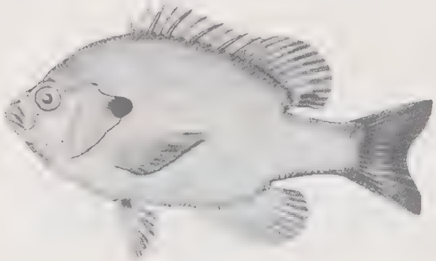
STURGEON
RANGE - COASTAL AND RIVER AREAS
GEAR - GILL NETS, LINES



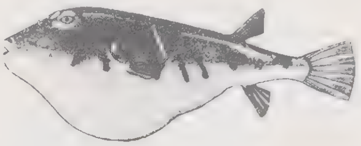
STURGEON, SHOVELNOSE
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES, POUND NETS



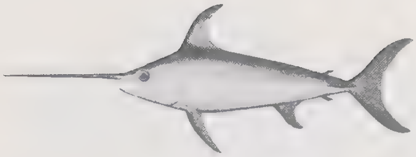
SUCKER
RANGE - FRESH-WATER
GEAR - POUND NETS, FYKE NETS, GILL NETS,
HAUL SEINES, TRAP NETS



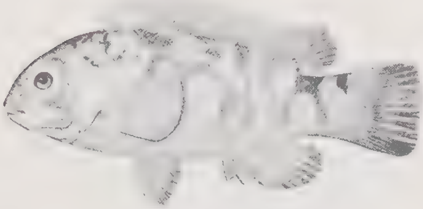
SUNFISH
RANGE - FRESH-WATER
GEAR - POTS, SEINES, TRAP NETS



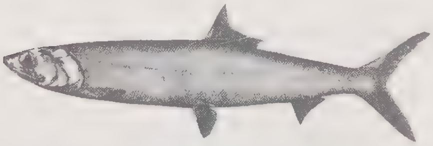
SWELLFISH
RANGE - CHESAPEAKE BAY TO MIDDLE ATLANTIC
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



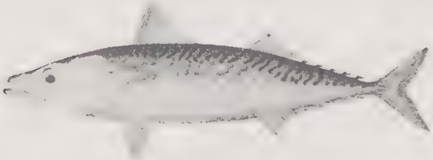
SWORDFISH
RANGE - NEW ENGLAND AND CALIFORNIA
GEAR - HARPOONS



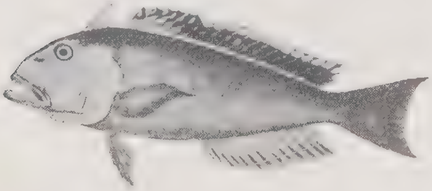
TAUTOG
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, HANDLINES, POTS



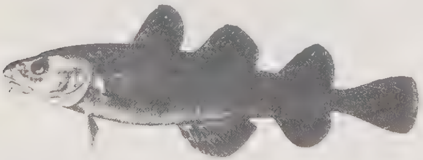
TENPOUNDER
RANGE - FLORIDA
GEAR - HAUL SEINES



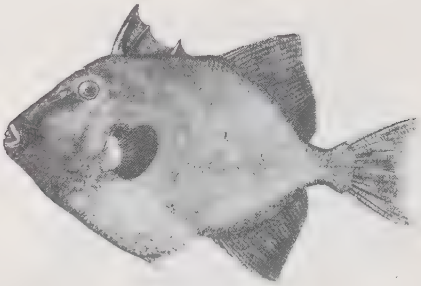
THIMBLE-EYED MACKEREL
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, PURSE SEINES, OTTER TRAWLS



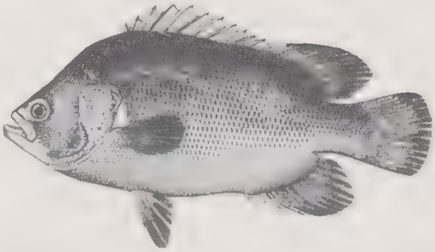
TILEFISH
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, REEF NETS, OTTER TRAWLS



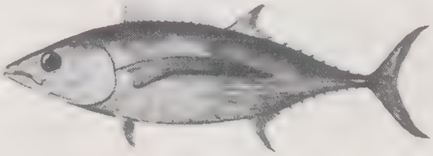
TOMCOD
RANGE - PACIFIC COAST, MIDDLE ATLANTIC AND
NEW ENGLAND STATES
GEAR - OTTER TRAWLS, DIP NETS



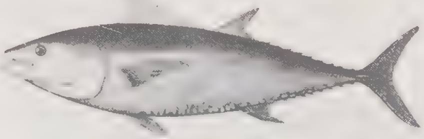
TRIGGERFISH
RANGE - FLORIDA
GEAR - HANDLINES



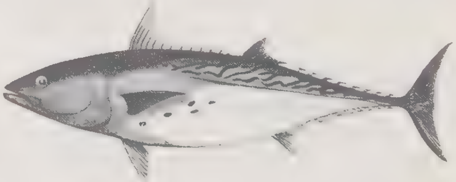
TRIPLETAIL
RANGE - FLORIDA
GEAR - HAUL SEINES, GILL NETS, LINES



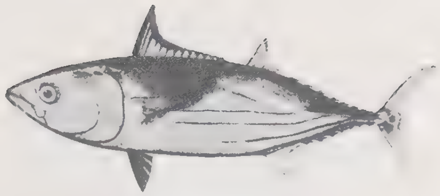
TUNA, ALBACORE
RANGE - PACIFIC COAST
GEAR - LINES



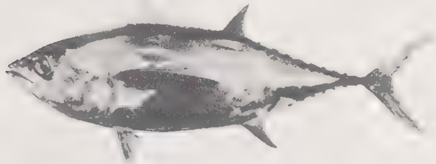
TUNA, BLUEFIN
RANGE - CALIFORNIA, NEW JERSEY TO MAINE
GEAR - PURSE SEINES, LAMPARA NETS, TROLL LINES,
POUND NETS, HARPOONS



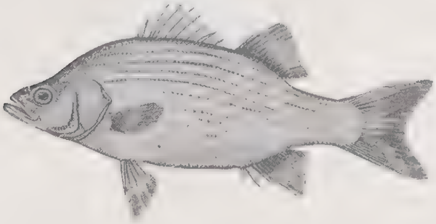
TUNA, LITTLE
RANGE - MASSACHUSETTS TO TEXAS
GEAR - POUND NETS, TROLL LINES, OTTER TRAWLS



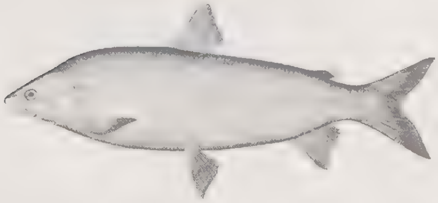
TUNA, SKIPJACK
RANGE - CALIFORNIA
GEAR - LINES AND PURSE SEINES



TUNA, YELLOWFIN
RANGE - PACIFIC
GEAR - LINES AND PURSE SEINES

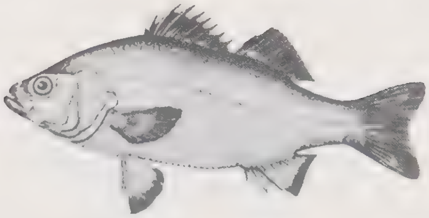


WHITE BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES,
POUND NETS



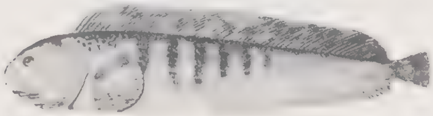
WHITEFISH, COMMON
RANGE - GREAT LAKES
GEAR - GILL NETS, POUND NETS, TRAP NETS

WHITEFISH, MENOMINEE
RANGE - ALASKA, GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS,
POUND NETS

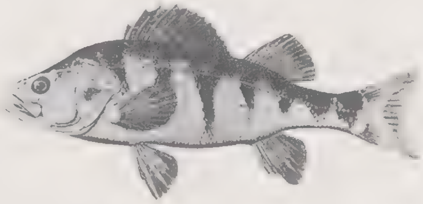


WHITE PERCH
RANGE - NORTH CAROLINA TO MAINE
GEAR - POUND NETS, FYKE NETS, HAUL SEINES

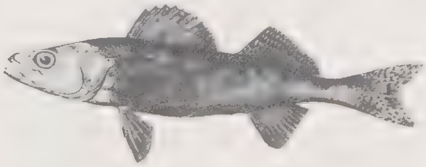
WHITING
RANGE - VIRGINIA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS



WOLFFISH
RANGE - MASSACHUSETTS AND MAINE
GEAR - OTTER TRAWLS, LONGLINES

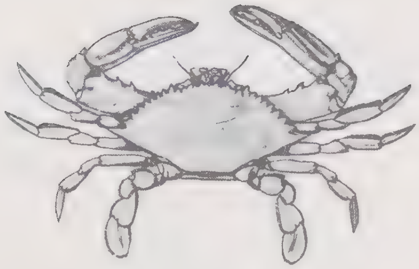


YELLOW PERCH
RANGE - GREAT LAKES, OTHER LAKES
GEAR - GILL NETS, TRAP NETS, POUND NETS,
FYKE NETS

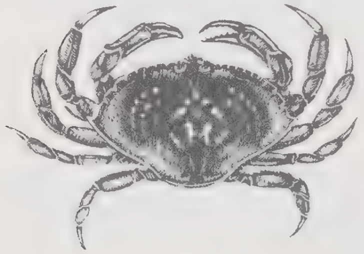


YELLOW PIKE
RANGE - GREAT LAKES
GEAR - POUND NETS, FYKE NETS, GILL NETS,
TRAP NETS

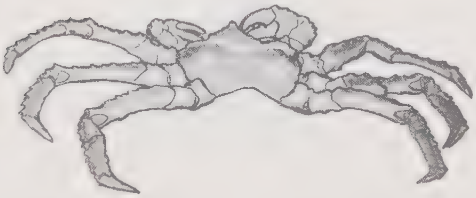
PICTORIAL SECTION



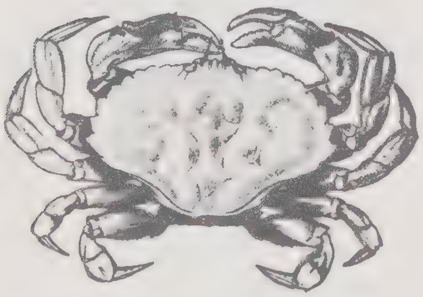
BLUE CRAB
RANGE - TEXAS TO RHODE ISLAND
GEAR - TROTLINES, POTS, FYKE NETS, DIP NETS, SCRAPES, DREDGES



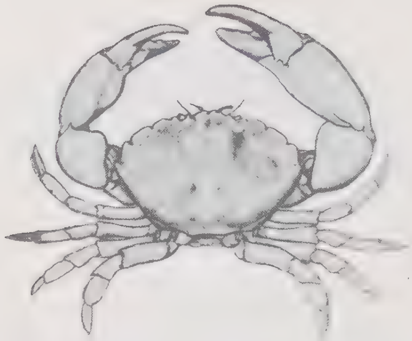
DUNGENESS CRAB
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - TRAPS



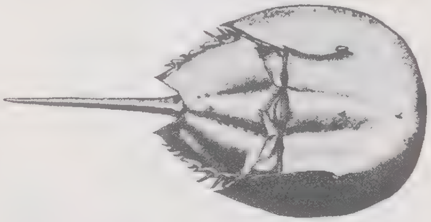
KING CRAB
RANGE - ALASKA
GEAR - OTTER TRAWLS



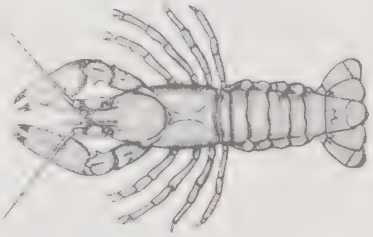
ROCK CRAB
RANGE - NEW ENGLAND
GEAR - POTS



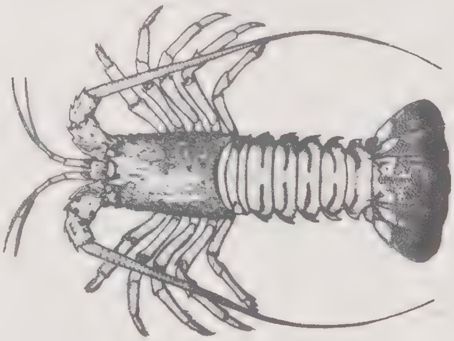
STONE CRAB
RANGE - FLORIDA
GEAR - DIP NETS, CRAB POTS



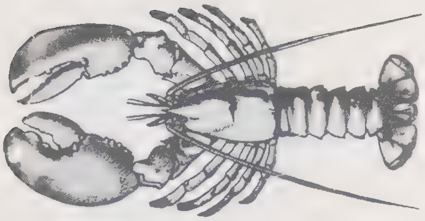
HORSESHOE CRAB
RANGE - MARYLAND TO NEW YORK
GEAR - POUND NETS, WEIRS, BY HAND



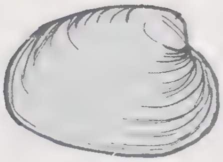
FRESH-WATER CRAWFISH
RANGE - RIVERS AND LAKES
GEAR - POTS



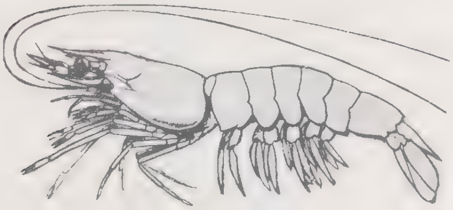
SPINY LOBSTER
RANGE - CALIFORNIA AND FLORIDA
GEAR - DIP NETS, POTS, HOOKS



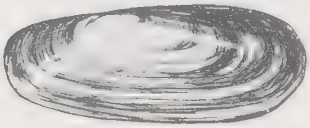
LOBSTER, NORTHERN
RANGE - VIRGINIA TO MAINE
GEAR - POTS, OTTER TRAWLS



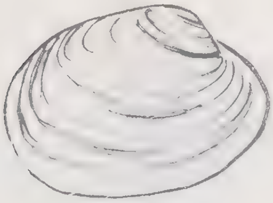
HARD CLAM
RANGE - FLORIDA TO MAINE
GEAR - HOES, DREDGES, TONGS, RAKES, BY HAND



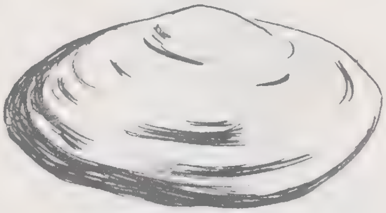
SHRIMP
RANGE - TEXAS TO NORTH CAROLINA, MAINE,
CALIFORNIA, WASHINGTON, AND ALASKA
GEAR - SHRIMP TRAWLS



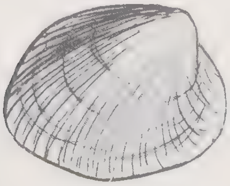
RAZOR CLAM, PACIFIC
RANGE - OREGON, WASHINGTON AND ALASKA
GEAR - SHOVELS



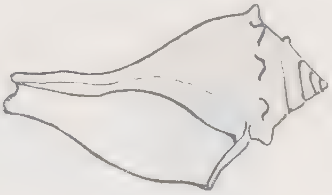
BUTTER CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS



SOFT CLAM
RANGE - MIDDLE ATLANTIC TO NEW ENGLAND,
PACIFIC COAST STATES
GEAR - FORKS, HOES, RAKES, DREDGES

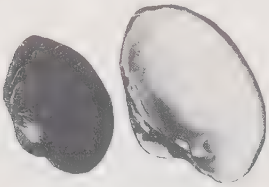


LITTLE NECK CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS



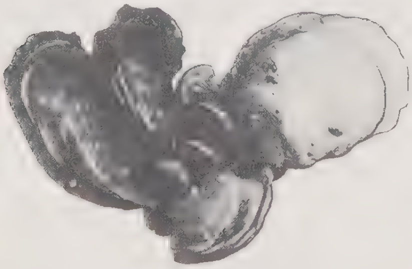
CONCH
RANGE - FLORIDA TO MAINE
GEAR - OTTER TRAWLS, DREDGES, POTS, AND BY HAND

LIMPET
RANGE - NEW YORK AND NEW ENGLAND
GEAR - DREDGES

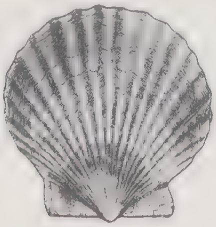


FRESH-WATER MUSSEL
RANGE - FRESH-WATER STREAMS
GEAR - CROWFOOT BARS, PICKS, HAND

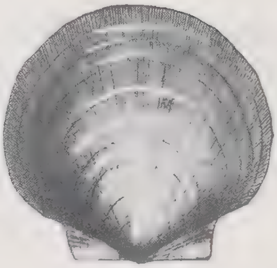
SEA MUSSEL
RANGE - NORTH CAROLINA TO MAINE
GEAR - DREDGES, TONGS, RAKES, HAND



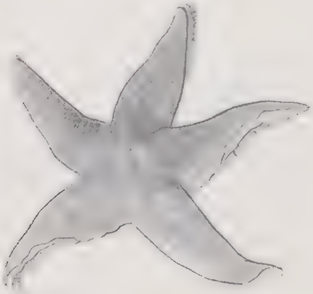
OYSTER
RANGE - TEXAS TO MASSACHUSETTS, PACIFIC COAST
GEAR - TONGS, DREDGES, RAKES, BY HAND



BAY SCALLOP
RANGE - FLORIDA TO MASSACHUSETTS, WASHINGTON
GEAR - DREDGES, SCRAPES, PUSH NETS, TONGS, RAKES, DIP NETS



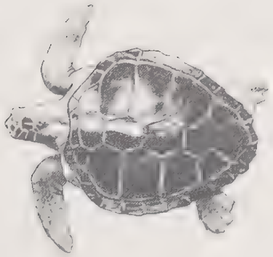
SEA SCALLOP
RANGE - NEW JERSEY TO MAINE
GEAR - DREDGES, OTTER TRAWLS



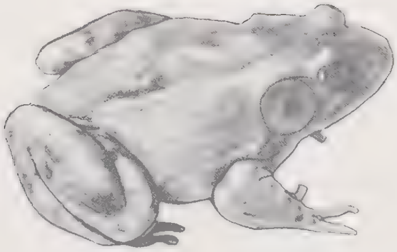
STARFISH
RANGE - ATLANTIC AND PACIFIC COAST
GEAR - HOOKS, SCRAPES, "MOPS"

TERRAPIN
RANGE - TEXAS TO NEW JERSEY
GEAR - HAUL SEINES, BY HAND

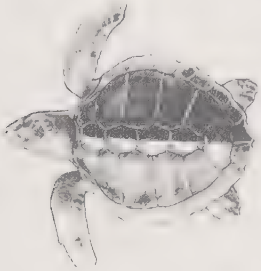
GREEN TURTLE
RANGE - FLORIDA
GEAR - GILL NETS



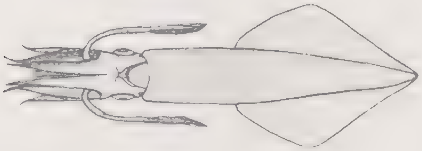
LOGGERHEAD TURTLE
RANGE - FLORIDA TO NEW JERSEY
GEAR - GILL NETS



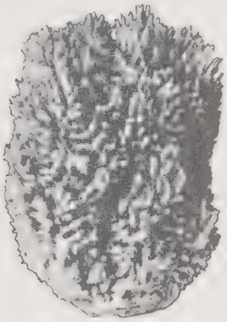
FROG
RANGE - FRESH-WATER, MARSHES, POND
GEAR - SPEARS, GRABS



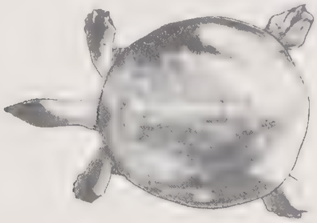
HAWKSBILL TURTLE
RANGE - GULF OF MEXICO, AND ATLANTIC COAST
TO NEW YORK
GEAR - BY HAND, POUND NETS



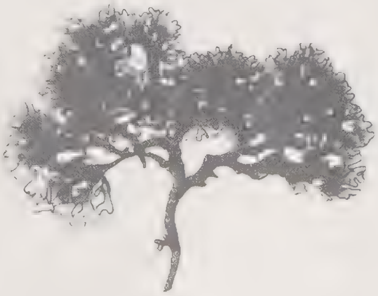
SQUID
RANGE - VIRGINIA TO MAINE, CALIFORNIA AND
WASHINGTON
GEAR - LAMPARA NETS, GILL NETS, OTTER TRAWLS,
POUND NETS



SPONGE
RANGE - FLORIDA
GEAR - HOOKS, DIVING OUTFITS



SOFT-SHELL TURTLE
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, FYKE NETS, POTS



IRISH MOSS
RANGE - NEW ENGLAND
GEAR - RAKES

SECTION 16 - STATISTICAL PUBLICATIONS

The following list of publications includes all reports issued in the Current Fishery Statistics series during 1961.

C. F. S. NO.	TITLE
2456	ALABAMA LANDINGS, SEPTEMBER, 1960
2457	MISSISSIPPI RIVER FISHERIES, ANNUAL, 1959
2458	NEW YORK LANDINGS, OCTOBER, 1960
2459	OHIO LANDINGS, OCTOBER, 1960
2460	TEXAS LANDINGS, SEPTEMBER, 1960
2461	VIRGINIA LANDINGS, OCTOBER, 1960
2462	NORTH CAROLINA LANDINGS, NOVEMBER, 1960
2463	MARYLAND LANDINGS, NOVEMBER, 1960
2464	RHODE ISLAND LANDINGS, OCTOBER, 1960
2465	MANUFACTURED FISHERY PRODUCTS, ANNUAL, 1959
2466	SOUTH CAROLINA LANDINGS, NOVEMBER, 1960
2467	NEW JERSEY LANDINGS, NOVEMBER, 1960
2468	FISHERIES OF THE UNITED STATES, ANNUAL, 1959
2469	MAINE LANDINGS, OCTOBER, 1960
2470	GEORGIA LANDINGS, NOVEMBER, 1960
2471	FISH MEAL AND OIL, NOVEMBER, 1960
2472	SHRIMP LANDINGS, SEPTEMBER, 1960
2473	FROZEN FISH, DECEMBER, 1960
2474	CALIFORNIA LANDINGS, AUGUST, 1960
2475	CALIFORNIA LANDINGS, SEPTEMBER, 1960
2476	RHODE ISLAND LANDINGS, NOVEMBER, 1960
2477	FLORIDA LANDINGS, NOVEMBER, 1960
2478	SOUTH ATLANTIC FISHERIES, ANNUAL, 1960
2479	MISSISSIPPI LANDINGS, SEPTEMBER, 1960
2480	NEW YORK LANDINGS, NOVEMBER, 1960
2481	SHRIMP LANDINGS, OCTOBER, 1960
2482	FISH STICKS AND PORTIONS, ANNUAL, 1960
2483	MISSISSIPPI LANDINGS, OCTOBER, 1960
2484	NORTH CAROLINA LANDINGS, DECEMBER, 1960
2485	MASSACHUSETTS LANDINGS, OCTOBER, 1960
2486	NEW YORK LANDINGS, DECEMBER, 1960
2487	SOUTH CAROLINA LANDINGS, DECEMBER, 1960
2488	MAINE LANDINGS, NOVEMBER, 1960
2489	TEXAS LANDINGS, OCTOBER, 1960
2490	ALABAMA LANDINGS, OCTOBER, 1960
2491	MARYLAND LANDINGS, DECEMBER, 1960
2492	VIRGINIA LANDINGS, NOVEMBER, 1960
2493	FISH MEAL AND OIL, DECEMBER, 1960
2494	ALABAMA LANDINGS, NOVEMBER, 1960
2495	FROZEN FISH REPORT, ANNUAL, 1960
2496	MISSISSIPPI LANDINGS, NOVEMBER, 1960
2497	FROZEN FISH REPORT, JANUARY, 1961
2498	ALABAMA LANDINGS, DECEMBER, 1960
2499	LOUISIANA LANDINGS, MAY, 1960
2500	LOUISIANA LANDINGS, JUNE, 1960
2501	LOUISIANA LANDINGS, JULY, 1960
2502	NEW JERSEY LANDINGS, DECEMBER, 1960
2503	OHIO LANDINGS, NOVEMBER, 1960
2504	OHIO LANDINGS, DECEMBER, 1960
2505	FLORIDA LANDINGS, DECEMBER, 1960
2506	MAINE LANDINGS, DECEMBER, 1960
2507	LOUISIANA LANDINGS, AUGUST, 1960
2508	LOUISIANA LANDINGS, SEPTEMBER, 1960
2509	GEORGIA LANDINGS, DECEMBER, 1960
2510	CALIFORNIA LANDINGS, OCTOBER, 1960
2511	LOUISIANA LANDINGS, OCTOBER, 1960
2512	TEXAS LANDINGS, NOVEMBER, 1960
2513	VIRGINIA LANDINGS, DECEMBER, 1960
2514	TEXAS LANDINGS, DECEMBER, 1960
2515	MASSACHUSETTS LANDINGS, NOVEMBER, 1960
2516	NORTH CAROLINA LANDINGS, ANNUAL, 1960
2517	RHODE ISLAND LANDINGS, DECEMBER, 1960
2518	SOUTH CAROLINA LANDINGS, ANNUAL, 1960
2519	GEORGIA LANDINGS, ANNUAL, 1960
2520	NEW YORK LANDINGS, ANNUAL, 1960
2521	NORTH CAROLINA LANDINGS, JANUARY, 1961
2522	FISH MEAL AND OIL, JANUARY, 1961
2523	MISSISSIPPI LANDINGS, DECEMBER, 1960
2524	GEORGIA LANDINGS, JANUARY, 1961
2525	MARYLAND LANDINGS, JANUARY, 1961
2526	SOUTH CAROLINA LANDINGS, JANUARY, 1961
2527	NEW JERSEY LANDINGS, ANNUAL, 1960
2528	FROZEN FISH REPORT, FEBRUARY, 1961
2529	FLORIDA LANDINGS, JANUARY, 1961
2530	MAINE LANDINGS, JANUARY, 1961
2531	CALIFORNIA LANDINGS, NOVEMBER, 1960
2532	VIRGINIA LANDINGS, ANNUAL, 1960
2533	LOUISIANA LANDINGS, NOVEMBER, 1960
2534	WASHINGTON LANDINGS, ANNUAL, 1960
2535	NEW JERSEY LANDINGS, JANUARY, 1961
2536	NEW YORK LANDINGS, JANUARY, 1961
2537	RHODE ISLAND LANDINGS, JANUARY, 1961
2538	CALIFORNIA LANDINGS, DECEMBER, 1960
2539	WISCONSIN LANDINGS, JANUARY, 1961
2540	MICHIGAN LANDINGS, JANUARY, 1961
2541	CANNED FISH AND BYPRODUCTS, ANNUAL, 1960
2542	PACKAGED FISH, ANNUAL, 1960
2543	MINNESOTA LANDINGS, ANNUAL, 1960
2544	SHRIMP LANDINGS, NOVEMBER, 1960
2545	MASSACHUSETTS LANDINGS, DECEMBER, 1960
2546	NORTH CAROLINA LANDINGS, FEBRUARY, 1961
2547	LOUISIANA LANDINGS, DECEMBER, 1960
2548	SOUTH CAROLINA LANDINGS, FEBRUARY, 1961
2549	GEORGIA LANDINGS, FEBRUARY, 1961
2550	MARYLAND LANDINGS, FEBRUARY, 1961
2551	VIRGINIA LANDINGS, JANUARY, 1961
2552	FROZEN FISH REPORT, MARCH, 1961
2553	FISH MEAL AND OIL, FEBRUARY, 1961
2554	RHODE ISLAND LANDINGS, ANNUAL, 1960
2555	SHRIMP LANDINGS, DECEMBER, 1960
2556	NEW JERSEY LANDINGS, FEBRUARY, 1961
2557	FLORIDA LANDINGS, ANNUAL, 1960
2558	WISCONSIN LANDINGS, FEBRUARY, 1961
2559	FLORIDA LANDINGS, FEBRUARY, 1961
2560	MAINE LANDINGS, FEBRUARY, 1961
2561	RHODE ISLAND LANDINGS, FEBRUARY, 1961
2562	MICHIGAN LANDINGS, FEBRUARY, 1961
2563	MISSISSIPPI LANDINGS, JANUARY, 1961
2564	NEW YORK LANDINGS, FEBRUARY, 1961
2565	MINNESOTA LANDINGS, JANUARY & FEBRUARY, 1961
2566	MIDDLE ATLANTIC FISHERIES, ANNUAL, 1960
2567	VIRGINIA LANDINGS, FEBRUARY, 1960
2568	MAINE LANDINGS, BY MONTHS, ANNUAL, 1960
2569	MAINE LANDINGS, BY COUNTY & GEAR, ANNUAL, 1960
2570	TEXAS LANDINGS, JANUARY, 1961
2571	FISH STICKS AND PORTIONS, JANUARY - MARCH, 1961
2572	MASSACHUSETTS LANDINGS, BY PORTS, ANNUAL, 1960
2573	MASSACHUSETTS LANDINGS, BY GEAR & AREA, ANNUAL, 1960
2574	OREGON LANDINGS, ANNUAL, 1960
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Created in 1849, the Department of the Interior--America's Department of Natural Resources--is concerned with the management, conservation, and development of the Nation's water, fish, wildlife, mineral, forest, and park recreational resources. It also has major responsibilities for Indian and Territorial affairs.

As the Nation's principal conservation agency, the Department works to assure that nonrenewable resources are developed and used wisely, that park and recreational resources are conserved for the future, and that renewable resources make their full contribution to the progress, prosperity, and security of the United States--now and in the future.

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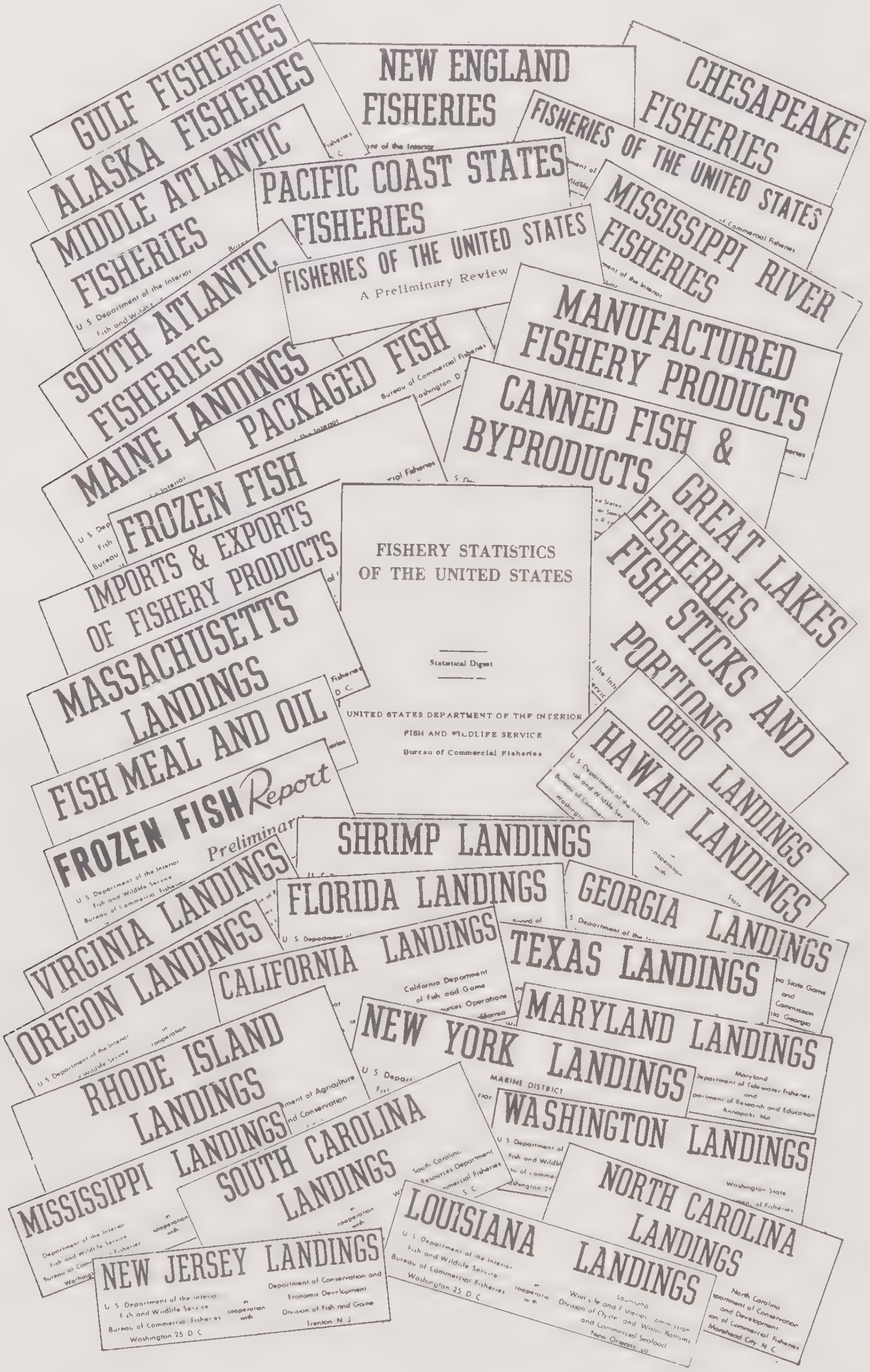
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